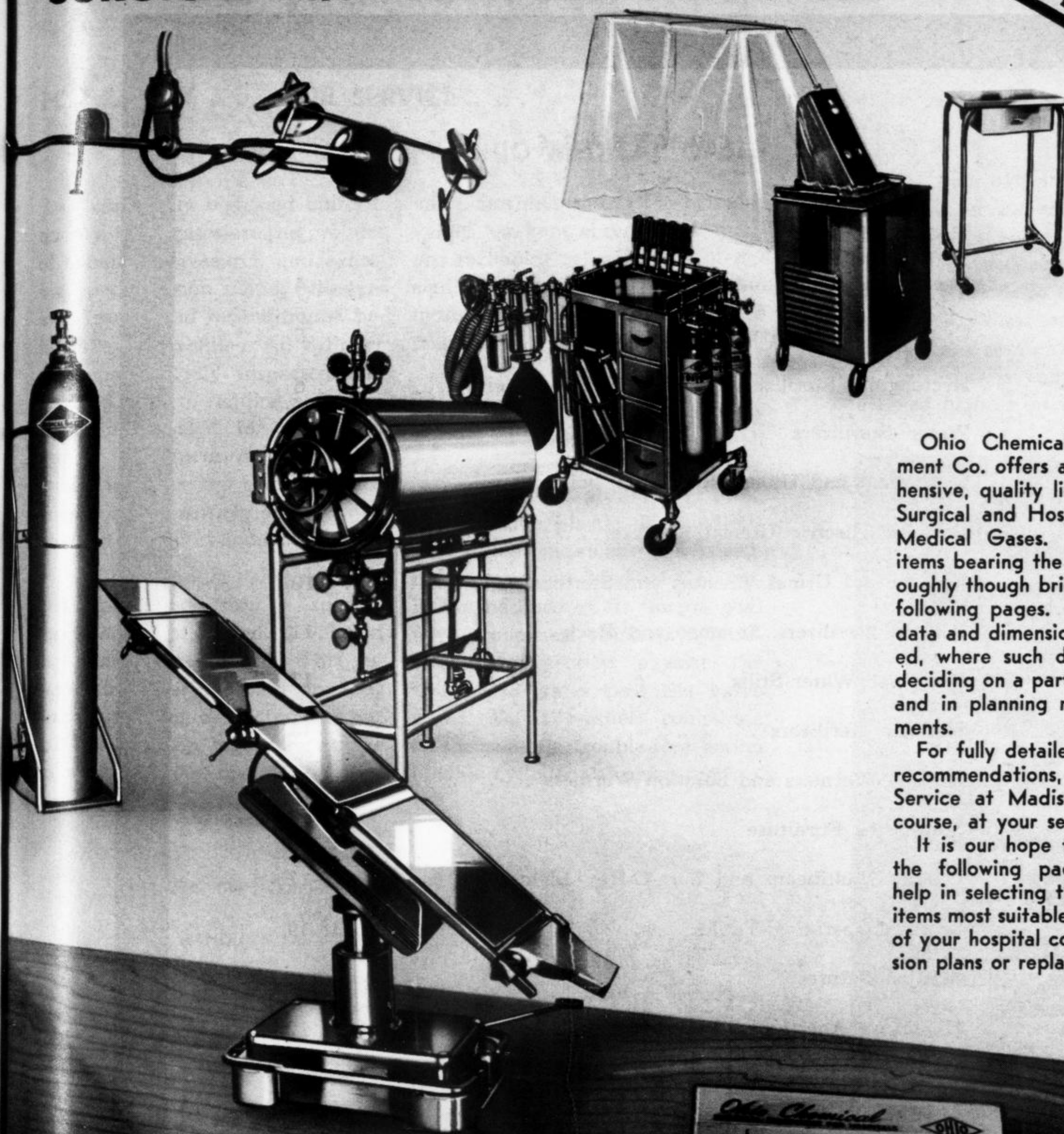


Ohio Chemical

SURGICAL EQUIPMENT FOR HOSPITALS



Ohio Chemical & Surgical Equipment Co. offers a broad and comprehensive, quality line — the finest — of Surgical and Hospital Equipment and Medical Gases. Most of the many items bearing the Ohio label are thoroughly though briefly presented in the following pages. Pertinent installation data and dimensions have been included, where such details are helpful in deciding on a particular type or model and in planning room layout requirements.

For fully detailed specifications and recommendations, the Ohio Planning Service at Madison, Wisconsin is of course, at your service.

It is our hope that you will find in the following pages, information of help in selecting the Ohio models and items most suitable to the requirements of your hospital construction or expansion plans or replacement program.



FOR SAFETY . . . FOR SERVICE . . .

SPECIFY OHIO MEDICAL GASES

Of constantly high and uniform quality, Ohio gases are the product of exhaustive research and exacting specialization. Ohio cylinders are cleaned and reconditioned before they are refilled. All cylinder valves are rigidly inspected and serviced prior to refilling and after filling are sealed for protection against the intrusion of dust or grease in the valve orifice and to insure quick distinction between full and empty cylinders.

All Ohio cylinder valve seats are now fabricated from a specific formulation of nylon developed after intensive research. This superior material not only provides amazing sealing characteristics but exhibits a much higher resistance to ignition than commonly used

valve seat materials. Ohio cylinder valves are kept abreast with modern technological advances in design and materials to assure safer, more dependable, cylinder valve operation.

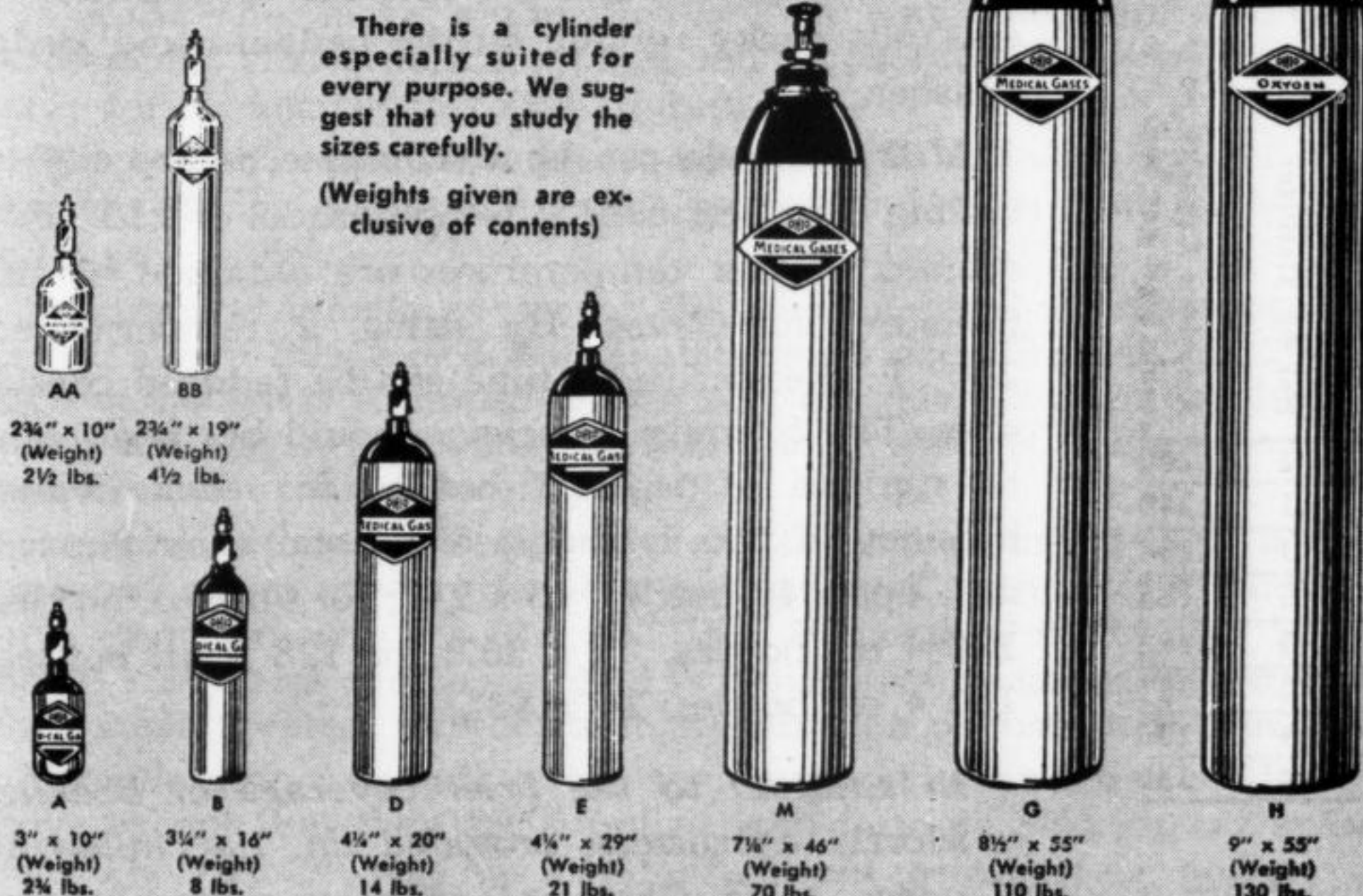
A remarkable plastic seal, the Teflon washer, is used as a packing gland gasket on new small Ohio cylinder valves. Teflon is a tough, resilient, abrasion-resistant, non-adhesive plastic. It is admirably suited for use as a valve packing material on Medical Gas cylinders because of its unique cold flow properties which give "self-sealing" protection against the leakage of gases past the valve stems. Teflon washers contribute to the smooth, trouble-free action of Ohio cylinder valves.

Well over half a century of dependable service and progressive development have earned for Ohio Medical Gases a reputation as the "Anesthetic of Choice" in inhalation anesthesia. And in therapy and resuscitation, too, the "Ohio" label is your best assurance of highest quality.

CYLINDERS COMMONLY EMPLOYED for HANDLING COMPRESSED GASES

There is a cylinder especially suited for every purpose. We suggest that you study the sizes carefully.

(Weights given are exclusive of contents)



CYLINDERS FROM OHIO

As an integral part of your anesthetic and therapeutic equipment, "cylinders from Ohio" give added assurance to your medical, surgical and anesthetic staff. Ohio delivery service of gases is quick and sure from many principal cities throughout the nation.



SCANLAN MORRIS

CYLINDRICAL AUTOCLAVES

SIZES, CAPACITIES AND UTILITY CONNECTIONS

Figures indicate inches unless otherwise noted.

Size	A	B	C	D	Cubic ft. Cont.	Steam Sup.	Steam Ret.	Waste	Vent	KW Rating	Gas Sup.
12 x 20	3	17	10	47	1.3	1/2	1/2	1 1/2	1	6	1/2
16 x 24	3	21	10	55	2.78	1/2	1/2	1 1/2	1	9	1/2
20 x 36	3	25	11	71	6.5	1/2	1/2	1 1/2	1	12	1/2
20 x 48	3	25	11	83	8.75	1/2	1/2	1 1/2	1	12	1/2
20 x 60	3	25	11	95	10.9	1/2	1/2	1 1/2	1	12	1/2
30 x 54	3	35	15	103 1/2	21.9	1/2	1/2	1 1/2	1	(Steam only)	

Steam pressure 40 to 60 lbs. at apparatus. Steam return vented and free of back pressure. Left-hand door can be furnished. Right-hand door is standard. Double door models available. Piping will end at back of sterilizer stand. Riser locations will be furnished upon request.

Scanlan-Morris cylindrical pressure sterilizers (autoclaves) can be furnished either recessed, semi-recessed or exposed; steam, gas or electrically heated. When gas-heated sterilizers are ordered they should be in a well-ventilated room.

Scanlan-Morris autoclaves are formed of two Monel metal shells securely fastened to an accurately machined door collar.

The autoclave doors are heavy bronze castings machined at all contact surfaces, fitted with radial stainless steel locking bars actuated by a handwheel in combination with a positive guide mechanism. Doors are hung on heavy duty sag-proof hinges.

Scanlan-Morris Autoclaves are equipped with standard Jenkins valves, steam ejector, steam traps, check valves, steam strainers, gauges, thermometer, deep seal trap and open waste fitting.

Exposed Autoclaves are covered with a stainless steel finishing jacket.

Electrically heated autoclaves are supplied with a subboiler equipped with heavy duty immersion type heating units attached to the front of the Subboiler Head for ready removal in case of exchange or servicing. An integral part is a thermostatic low-water cut-out which automatically shuts off the current in case of low water in the subboiler or excessive lime deposit on the elements. An electric pressure control, which can be set at any desired pressure from 5 to 27 pounds, maintains the pressure in the outer jacket automatically. Switching is accomplished through hermetically sealed mercury tubes and the sterilizer is wired completely, ready for connection to power supply.

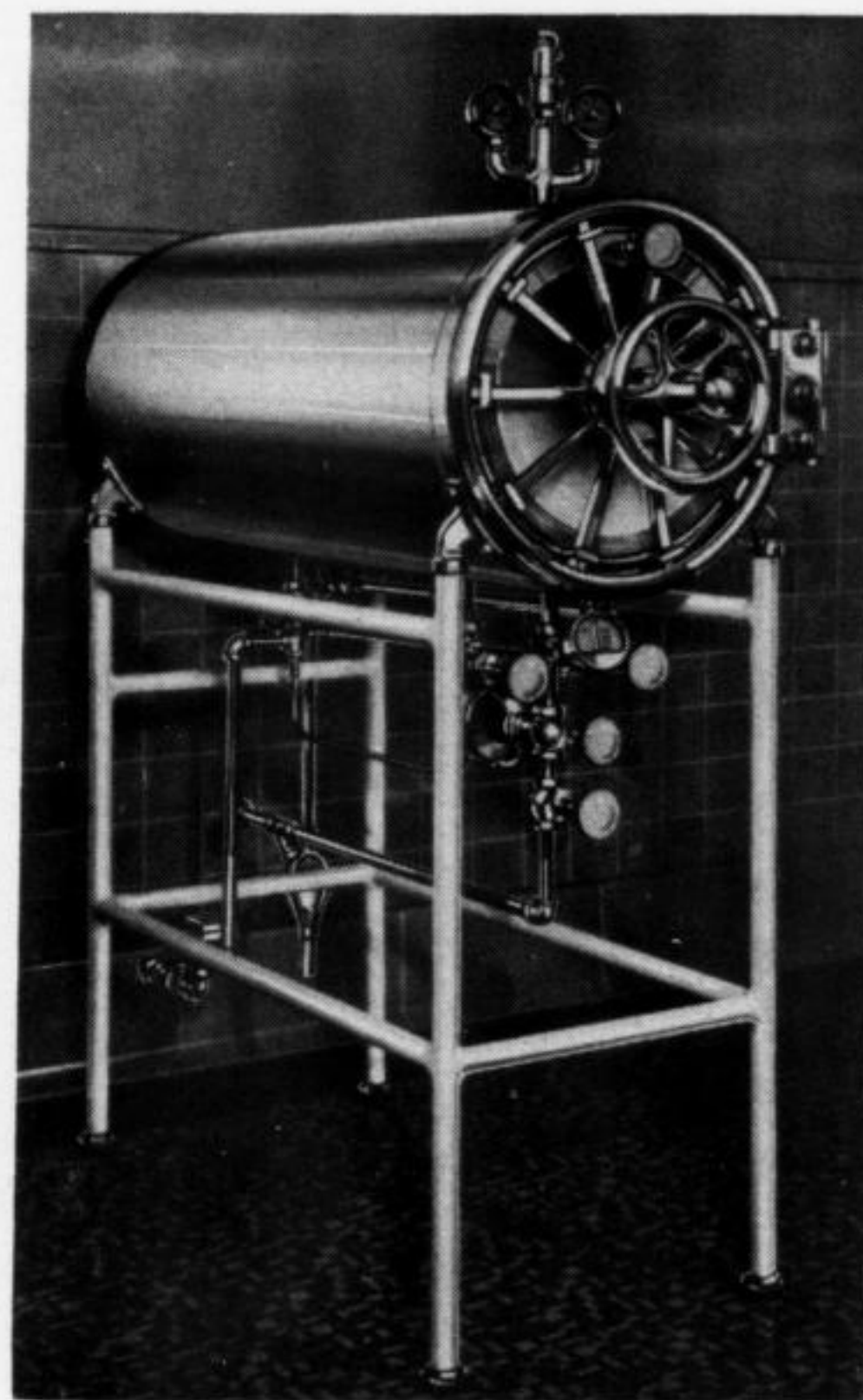
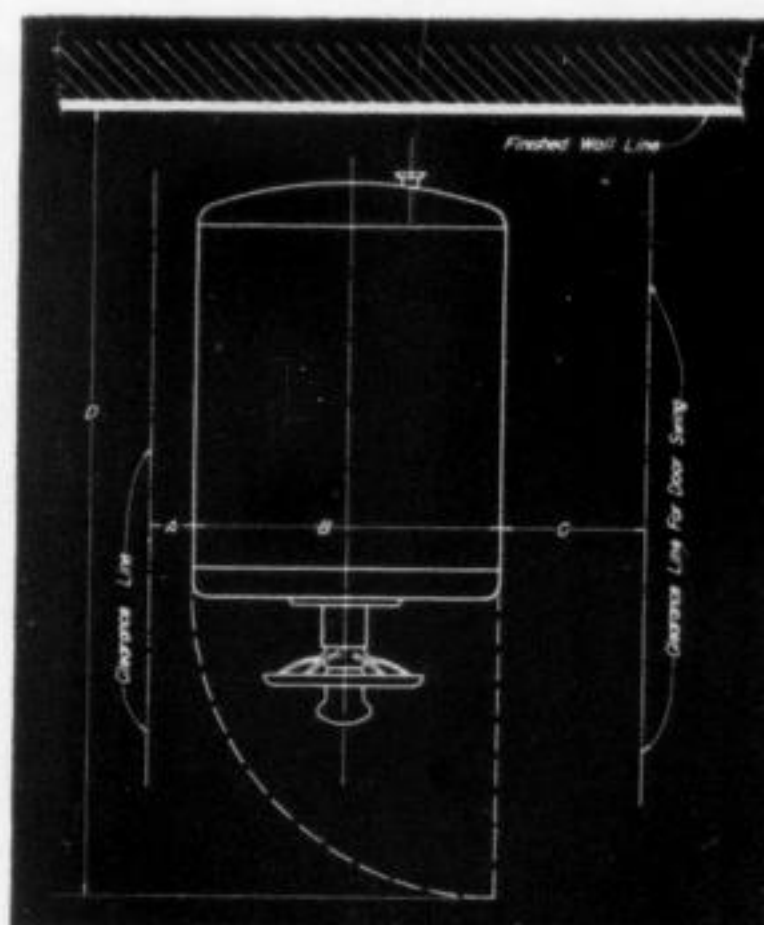
Gas heated autoclaves are equipped with a Subboiler and a Gas Burner, Mixing Valve, automatic gas control valve and water supply and waste valves.

Laboratory autoclaves are of the same general construction as described above. Single or double shell types in sizes 16 x 24" and 20 x 36". Each autoclave is equipped with a shut-off valve in chamber drain line and 2 full length removable shelves (lower shelf is single piece, upper shelf divides to 2 half-length units).

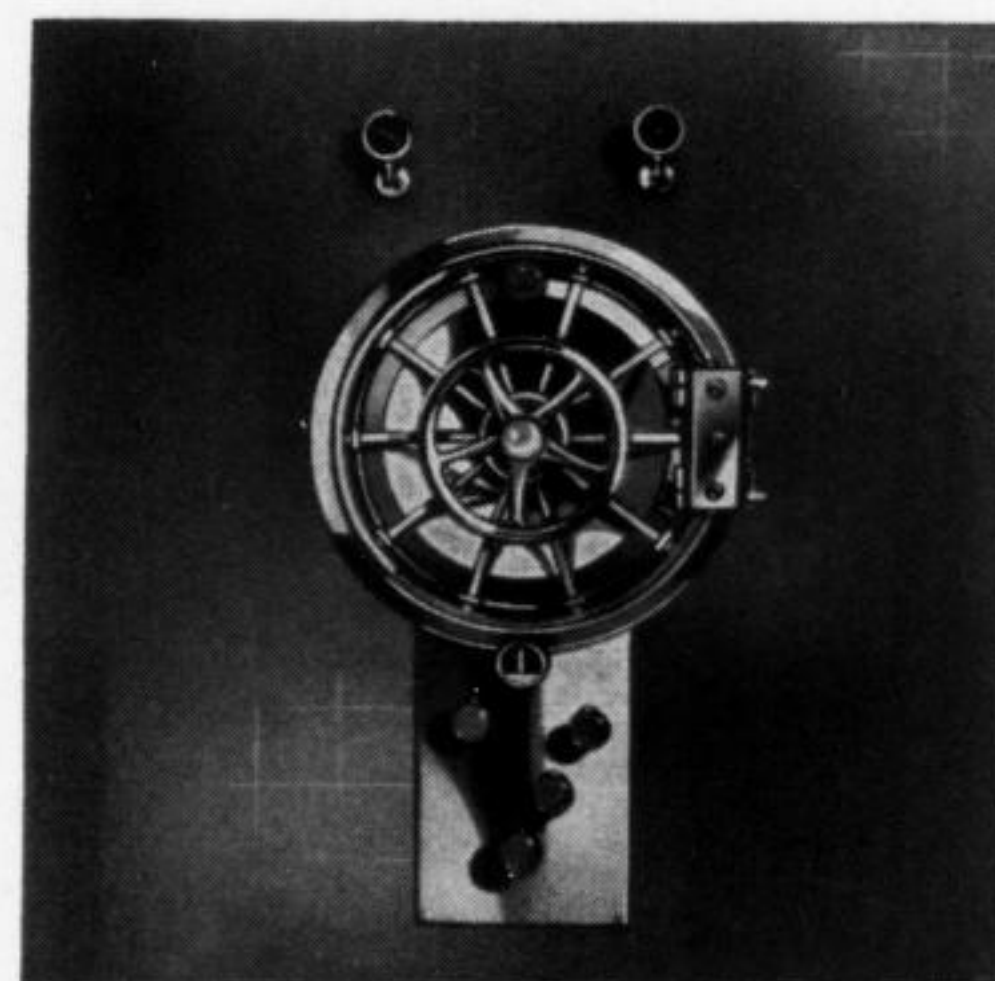
Pressure instrument sterilizers are of the same general construction as described above except that they are equipped with a set of slide-away trays. Standard sizes are 12 x 20", 16 x 24", and 20 x 36". The 12 x 20" and 16 x 24" sizes can be supplied as rapid pressure instrument sterilizers when steam heated, for the rapid sterilization of instruments at 270°F.

Formula autoclaves are of the same general construction as described above except that they are supplied with formula baskets, car and carriage. The 16 x 24" size has a stabilized shelf instead of car and carriage. The standard sizes are 16 x 24", 20 x 36", and 20 x 48". Information on bottle capacities for all formula sterilizers will be furnished upon request.

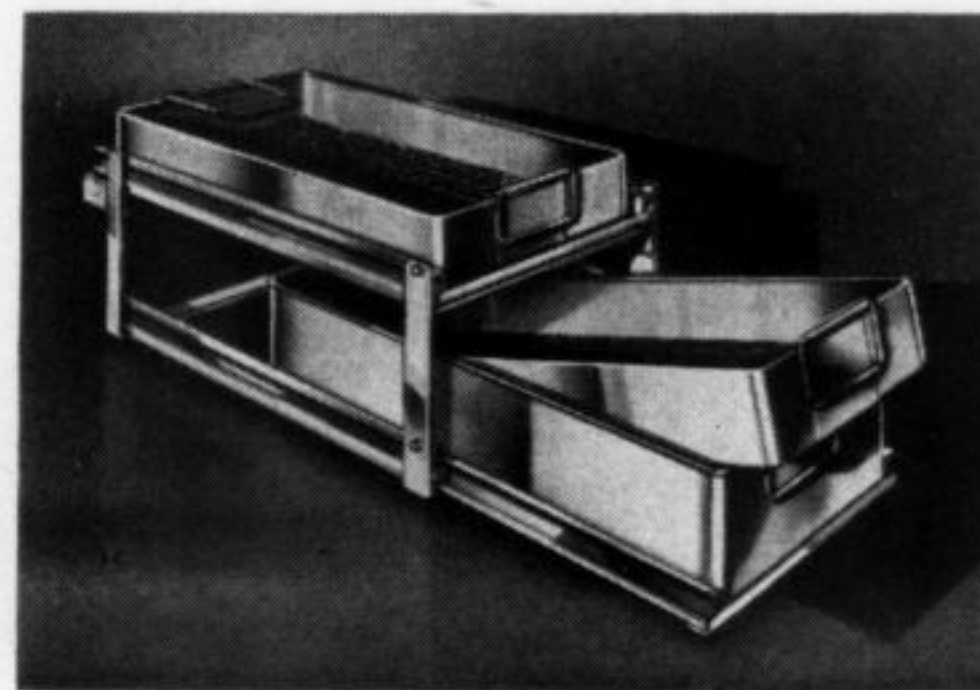
All new steam and electrically-heated Scanlan-Morris autoclaves can be supplied with Steritrol (automatic controls) and recording thermometers if so specified.



A420S Scanlan-Morris Cylindrical Pressure Dressing Sterilizer Exposed type, Direct Steam Heated.



A420I Scanlan-Morris Pressure Instrument Sterilizer Recessed Type, Direct Steam Heated.



Slide Away Tray Assembly for the Safe and Convenient Handling of Septic Instruments.





SCANLAN MORRIS RECTANGULAR STERILIZERS and DISINFECTORS

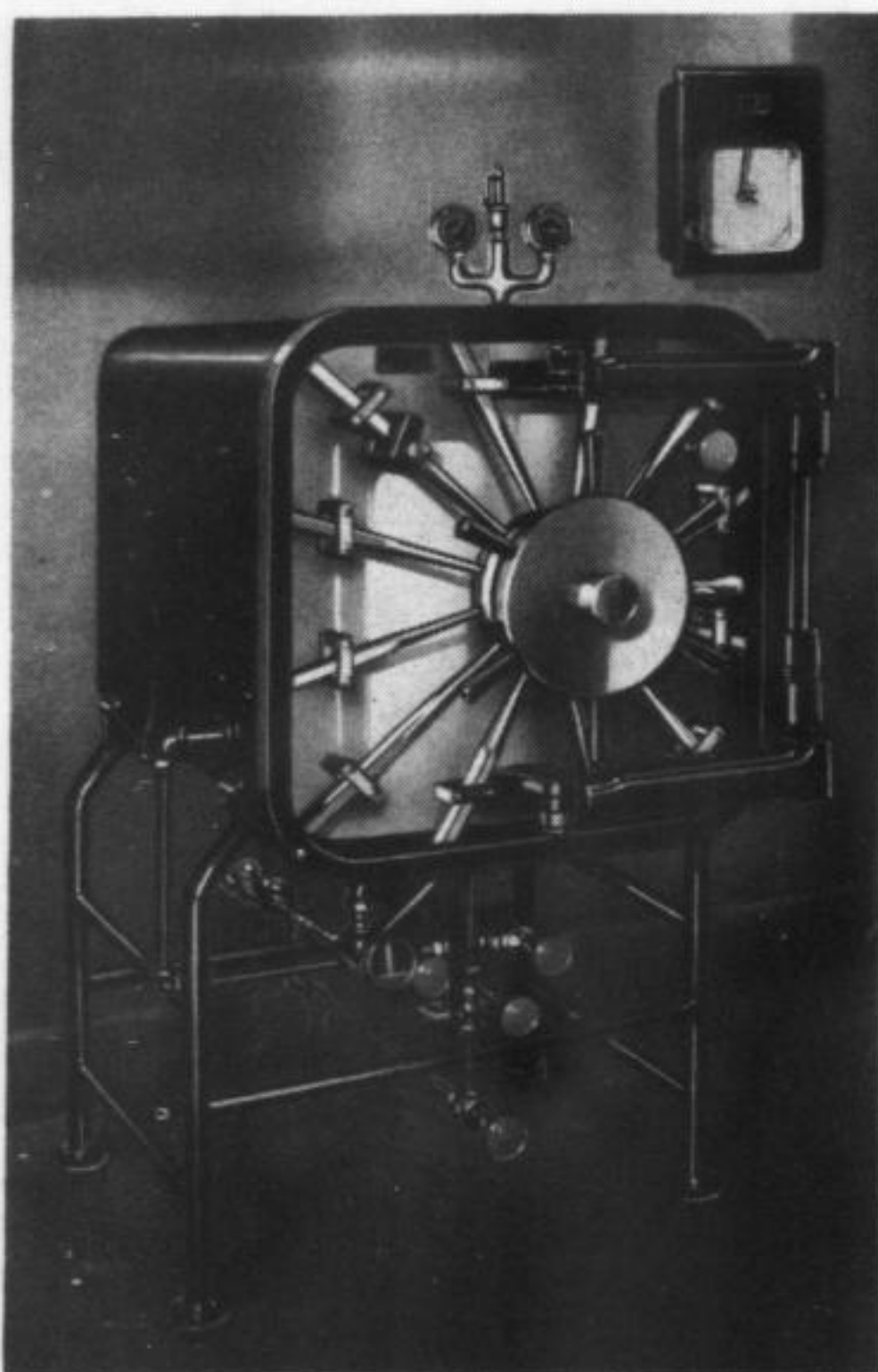
SIZES, CAPACITIES AND UTILITY CONNECTIONS

All figures indicate inches unless otherwise noted.

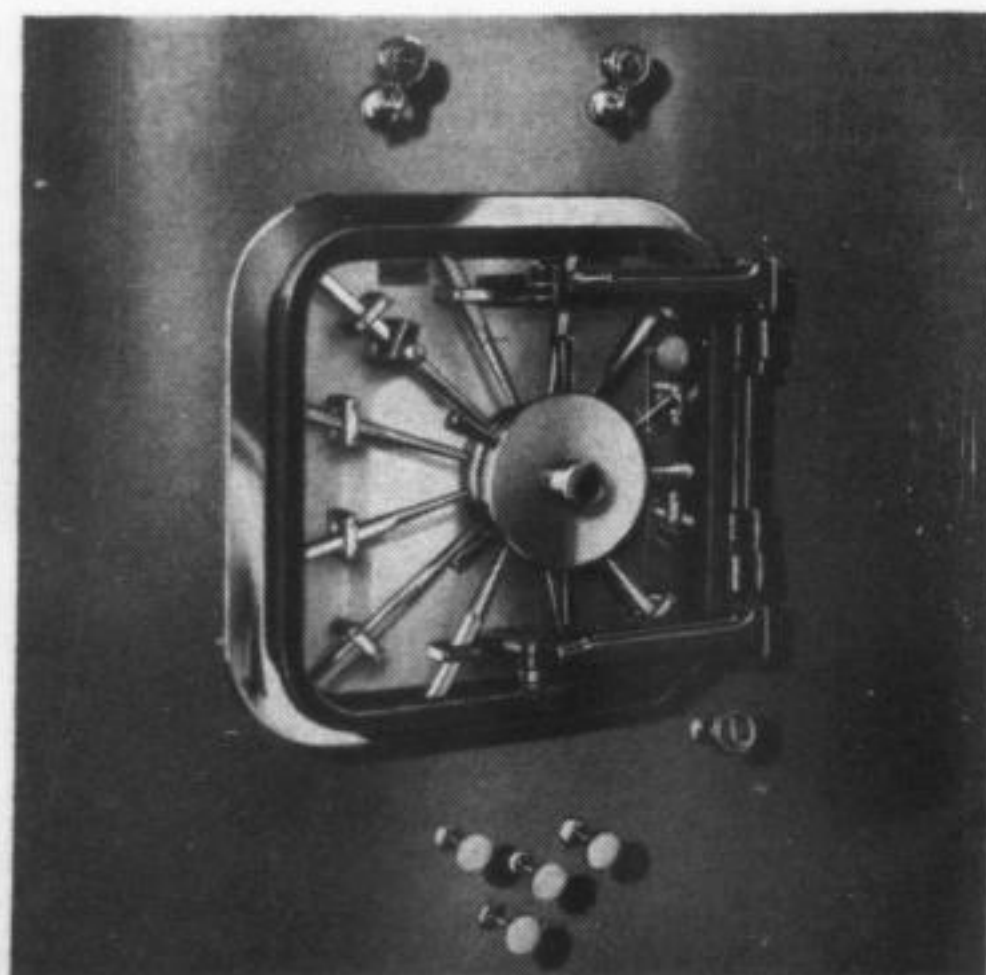
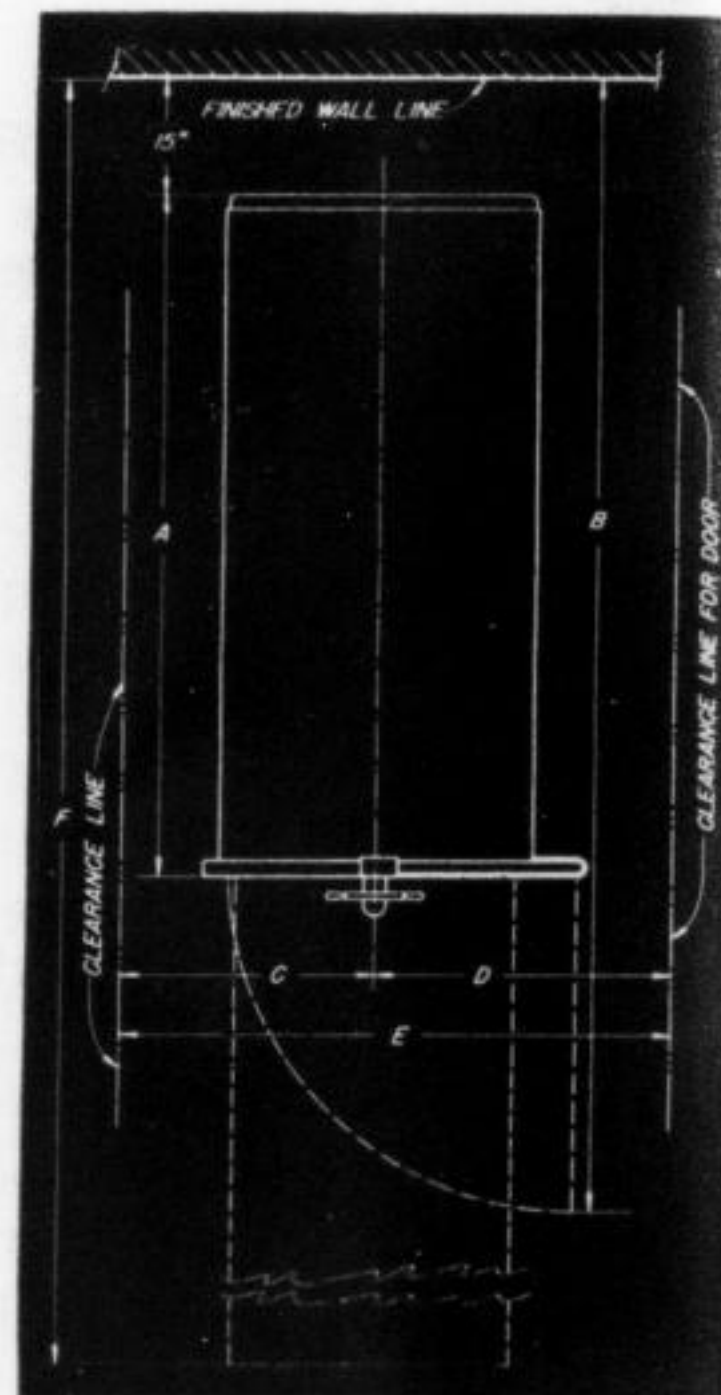
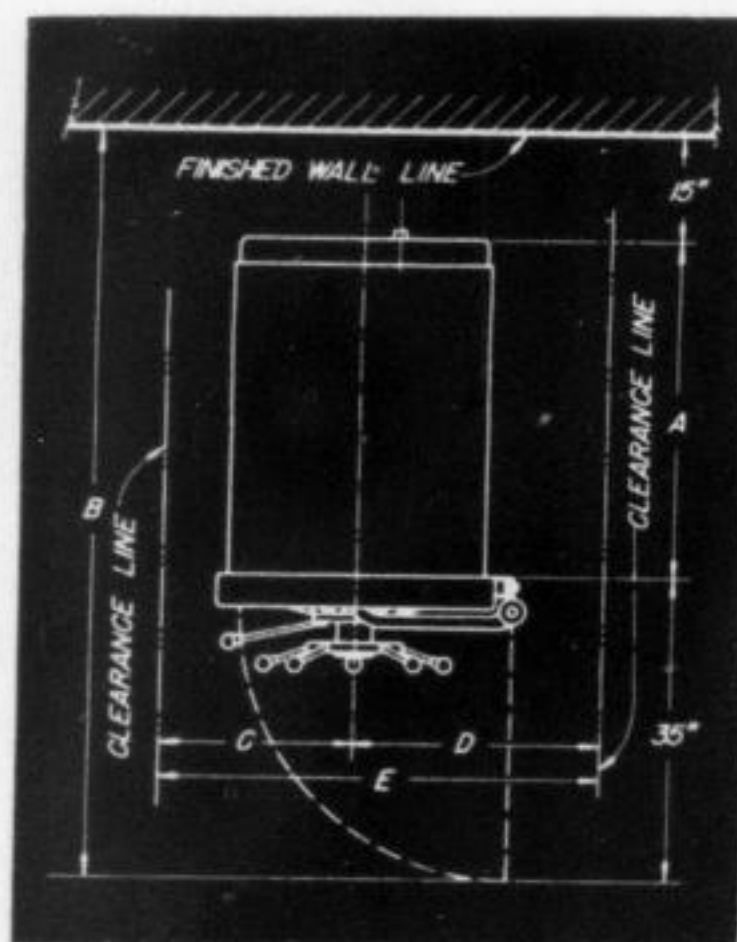
Size	A	B	C	D	E	F	Steam Supply	Steam Return	Vent	Waste	Shipping Wt. (in Tons)	Capacity in Cubic Ft.
24 x 24 x 36	40	90	22	28	50		1/2	1/2	1	1 1/2	.9	12
24 x 24 x 48	52	92	22	28	50		1/2	1/2	1	1 1/2	.975	16
24 x 36 x 48	52	92	22	28	50		1/2	1/2	1	1 1/2	1.33	24
24 x 36 x 60	64	114	22	28	50		1/2	1/2	1	1 1/2	1.55	30
36 x 42 x 84	92	154	34	40	74	178	1	1	1 1/2	1 1/2	2.5	73.5
42 x 48 x 96	104	173	37	43	80	196	1	1	1 1/2	1 1/2	3.7	112
48 x 54 x 96	104	179	40	46	86	196	1	1	1 1/2	1 1/2	4.3	144
60 x 66 x 96	104	192	46	52	98	196	1	1	1 1/2	1 1/2	5.9	220

Right-hand door is standard. Left-hand door can be furnished. Rectangular sterilizers are steam-heated only. Sterilizers are exposed, recessed, or semi-recessed;

single-or-double door. Piping ends at back of stand. Riser locations and roughing-in data will be furnished upon request.



A526 Exposed Type Rectangular Sterilizer, Single door, equipped with recording thermometer.



A526R Recessed Model, single door Rectangular dressing sterilizer.

Scanlan-Morris rectangular sterilizers have a double shell vacuum-pressure design for sterilization by steam at a maximum of 17 pounds pressure in the chamber. The body of the rectangular sterilizer consists of two shells, forming a steam jacket entirely surrounding the chamber except at the door. Shells are single plates with longitudinal seams, double butt electrically welded to comply with ASME code. The shells fit over end door frame between inner and outer shell to insure even jacket space of 2" at all points around the chamber. The outer shell extends beyond the welded end door frame, is slotted to receive the door locking bars. The gasket groove of end door frame is accurately machined to provide smooth seating for gasket. Doors are held pressure-tight against the gasket in the door collar by steel radial locking arms and a ball bearing circular handwheel mechanism providing slow and positive locking action. A safety locking device prevents the locking arms from being disengaged from under the door collar until handwheel has been fully released, and prevents the handwheel from being tightened unless all locking arms are in correct position under the door collar. When specified, the inner shell and door are available in nickel or Monel-clad steel, to prevent rusting and corrosion.

Scanlan-Morris rectangular sterilizers are equipped with steam reducing valve, steam supply valve, jacket pressure gauge, compound vacuum-pressure gauge, safety valves, steam ejector for drawing vacuum in chamber, chamber exhaust valve, automatic air and condensation discharge on chamber and jacket, high grade mercury thermometer, steam strainer, piping, and all other necessary valves and fittings.

Valves are genuine Jenkins diamond disc type with renewable discs and outside bonnet.

Information on various types and sizes of loading cars and carriages for all sizes of rectangular sterilizers will be furnished upon request.



SCANLAN MORRIS WATER STERILIZERS

SIZES, CAPACITIES AND UTILITY CONNECTIONS

All figures indicate inches unless otherwise noted.

Size	A	B	C Without Still	C With Still	Steam Sup.	Steam Ret.	Cold Water	Hot Water	Waste	KW Rating	Gas Sup.
10-Gal.	28	12	38	44	1/2	1/2	3/8	3/8	1 1/2	6	1/2
15-Gal.	28	12	38	44	1/2	1/2	3/8	1/2	1 1/2	7.5	1/2
25-Gal.	32	16	46	52	3/4	3/4	1/2	1/2	1 1/2	12	3/4

Steam pressure 40 to 60 lbs. at apparatus. Steam return vented and free of back pressure. Piping ends at back of stand. Riser locations will be furnished upon request. Kilowatt rating listed for one tank only.

Scanlan-Morris water sterilizers are of the pressure type, exposed or recessed mounted, and consist of two reservoirs (unless otherwise specified), one for hot sterile water and one for cold sterile water. Capacity of each reservoir is measured below the upper gauge fitting.

Each reservoir is equipped with an individual water filter, with separate water supply valve; a valve between the filter and reservoir, and a bleeder line from the filter to waste to prevent contamination of a sterile tank in case of a leaking water supply valve. Each filter is equipped with a replaceable honeycomb filtering element, easily replaced without the use of special tools.

The cold water reservoir is equipped with a seamless copper cooling coil fitted with a water supply valve and air break connection to waste. Both reservoirs have interconnecting brass piping to permit connections to a common set of risers. Air break fittings are provided on all waste connections, and waste line is brought to one point for single waste connection.

Each reservoir is equipped with a protected water gauge having a top and bottom shut-off valve; a lever-handled bell-mouth draw-off faucet; safety valve; drain valve with air break connection to waste; a dial type thermometer; a Magath device for automatically sterilizing the water in the gauge glass, and in combination with this device, an air washer and scrubber for positive filtering and washing through distilled water the air entering the reservoir.

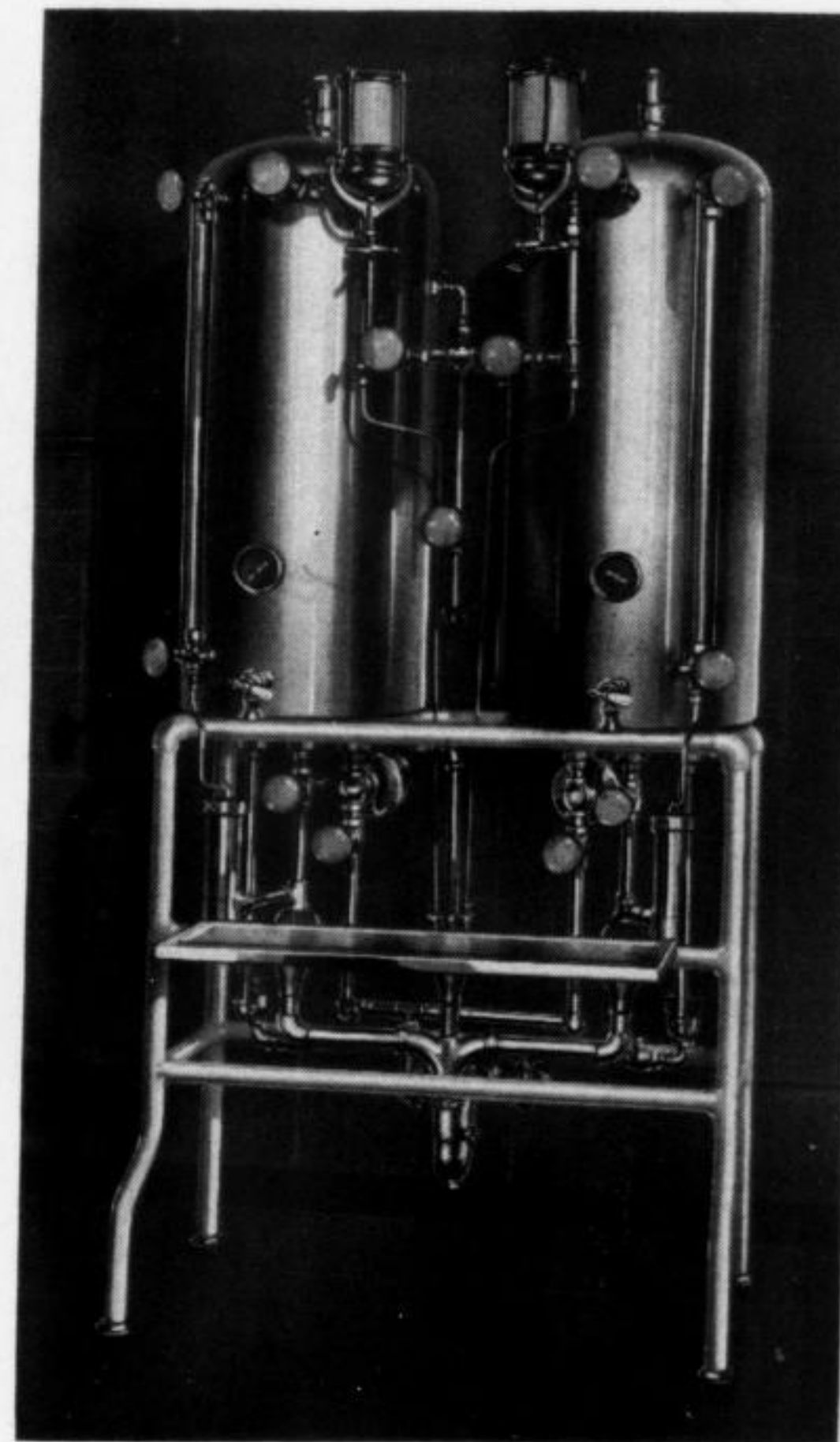
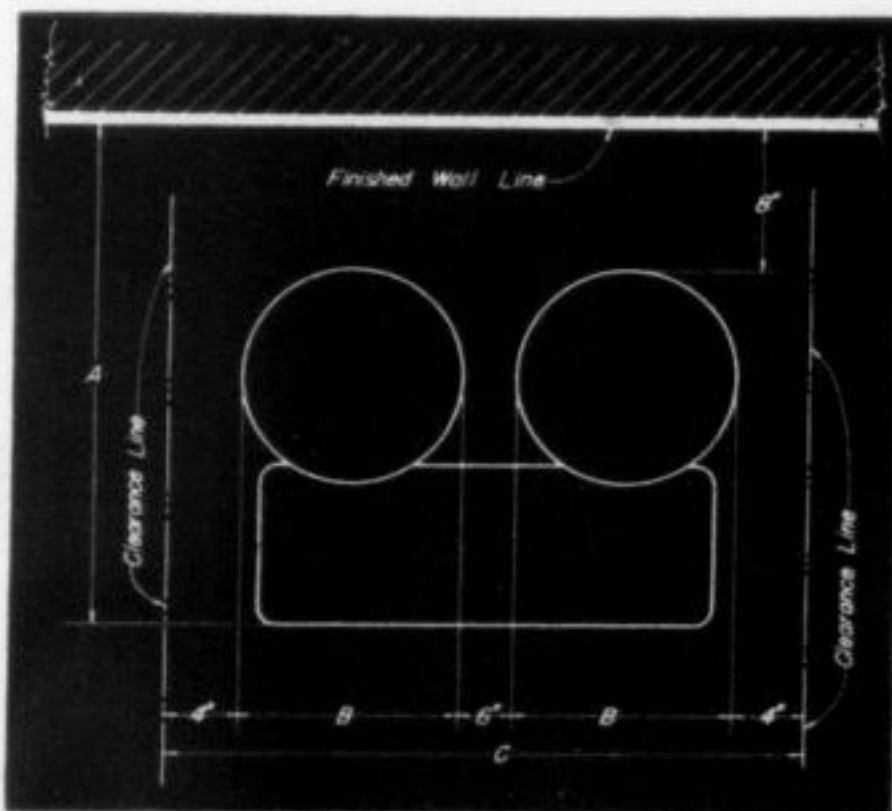
Steam-heated water sterilizers are equipped with steam heating coils, steam supply valves, thermostatic steam return traps, and automatic steam control valves for each tank. A steam strainer is provided in the steam supply line.

Gas-heated water sterilizers are equipped with central heating tubes in each reservoir, radial flame gas burners, mixing valve, and individual automatic gas control valves.

Electrically heated water sterilizers are equipped with heavy-duty immersion type heating units attached to the front of the reservoir for easy removal from the sterilizer for convenient cleaning and servicing. An integral part of each heating unit is a thermostatic low-water cut-out which automatically shuts off the current in case of low water in the reservoir or excessive lime deposit forming on the elements. Each reservoir is equipped with an automatic electric pressure control, switching is accomplished through hermetically sealed mercury tubes, thus eliminating open arc hazards. The sterilizers are wired completely, ready for connection to power supply.

A 3- or 6-gallon still can be supplied in connection with the water sterilizers for condensing the steam from either reservoir.

For *Cystoscopic* use a single 25-gallon reservoir equipped with a steam heating coil, cooling coil, necessary fittings and piping can be supplied. These reservoirs are of the same general construction as a standard water sterilizer but are usually mounted horizontally and suspended from the ceiling. Roughing-in drawings furnished on request.



A410S Scanlan-Morris Pressure Water Sterilizer, Steam Heated, Exposed.



A-410-S Scanlan-Morris Pressure Water Sterilizer, Steam Heated Recessed.





SCANLAN MORRIS INSTRUMENT and UTENSIL STERILIZERS BOILING TYPE

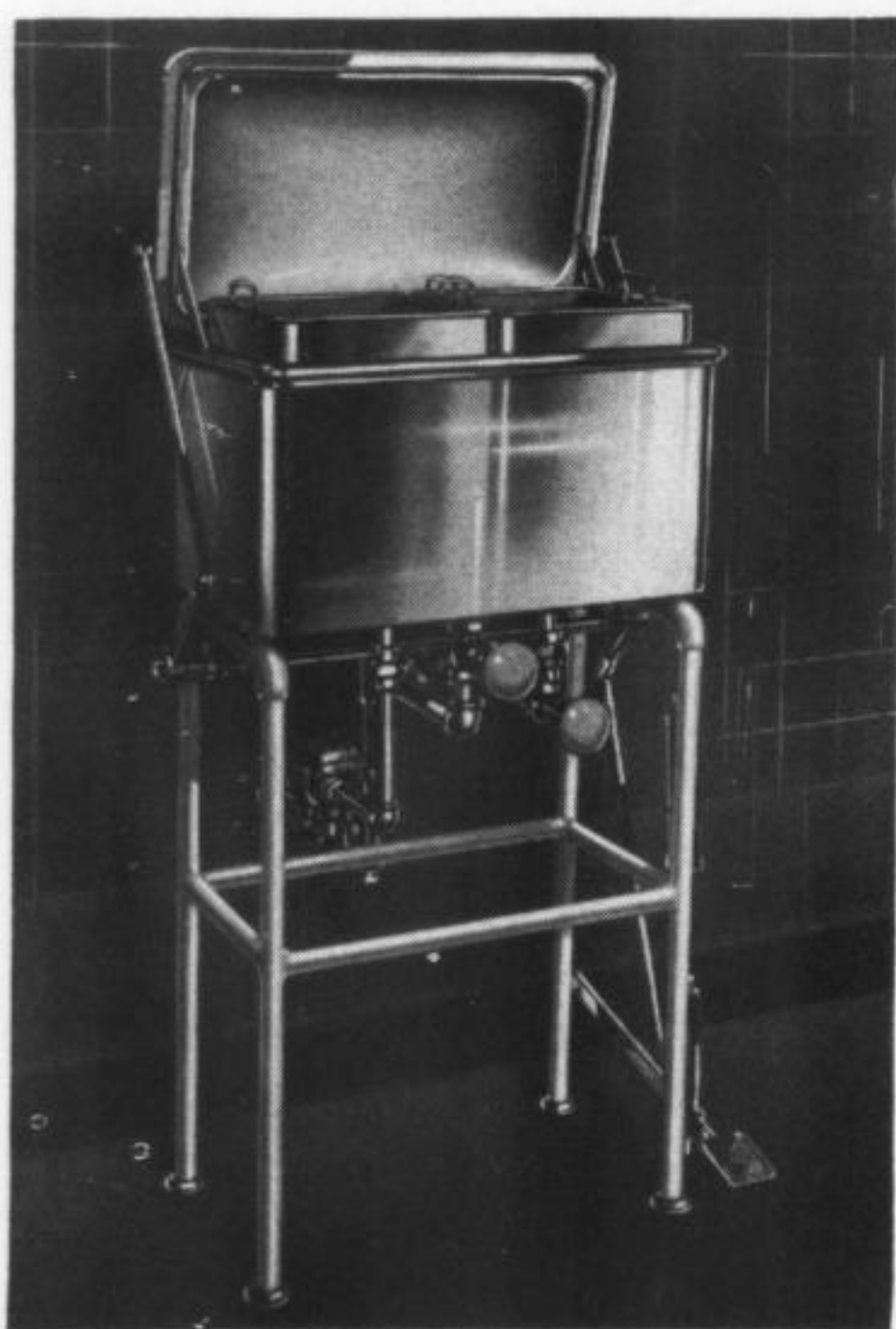
SIZES, CAPACITIES AND UTILITY CONNECTIONS

All figures indicate inches unless otherwise noted.

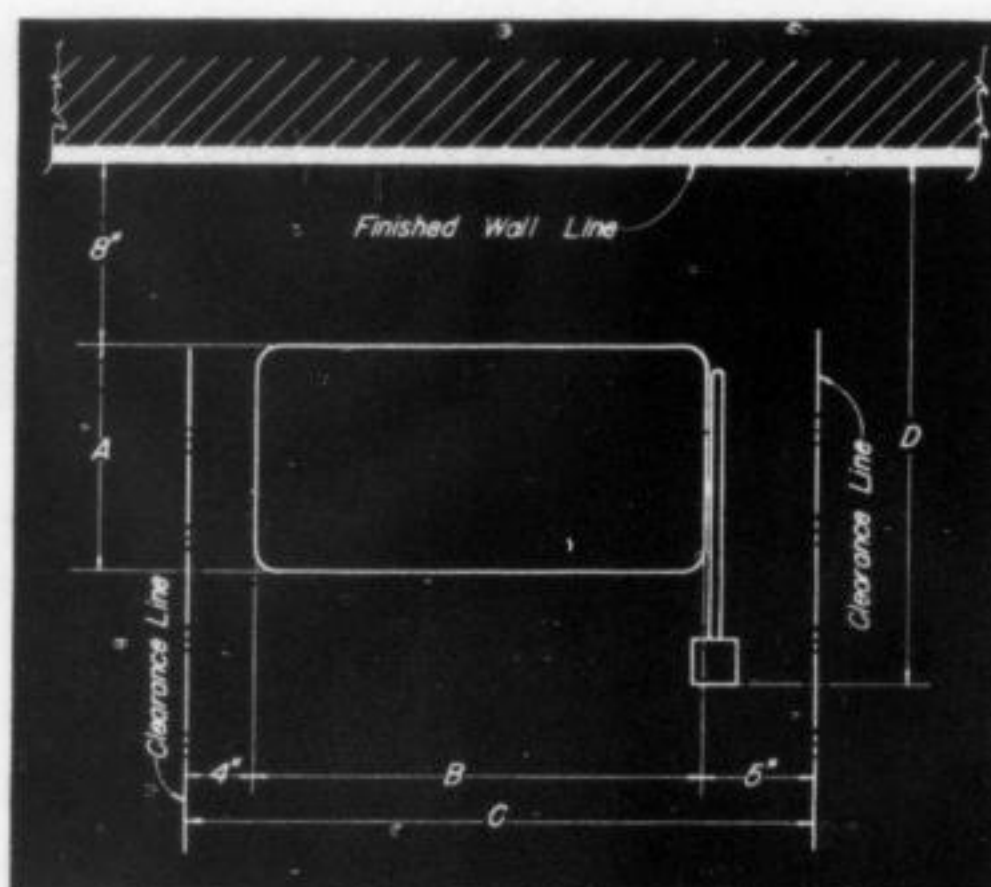
Size	A	B	C	D	Steam Supply	Steam Return	Hot Water	Waste	KW Rating	Gas Supply	Vent
Instrument Sterilizer											
20 x 10 x 9	10	20	29	23	3/8	3/8	3/8	1 1/2	4.5	1/2	1 1/2
22 x 12 x 10	12	22	31	25	3/8	3/8	3/8	1 1/2	6	1/2	1 1/2
24 x 16 x 12	16	24	33	29	3/8	3/8	3/8	1 1/2	9	1/2	1 1/2
36 x 12 x 10	12	36	45	23	3/8	3/8	3/8	1 1/2	7.5	1/2	1 1/2
Utensil Sterilizer											
24 x 16 x 16	16	24	32	29	3/8	3/8	3/8	1 1/2	6	3/4	1 1/2
24 x 20 x 20*	20	24	32	33	3/8	3/8	3/8	1 1/2	9	3/4	1 1/2

* Supplied with hydraulic pump mechanism to elevate cover and tray.

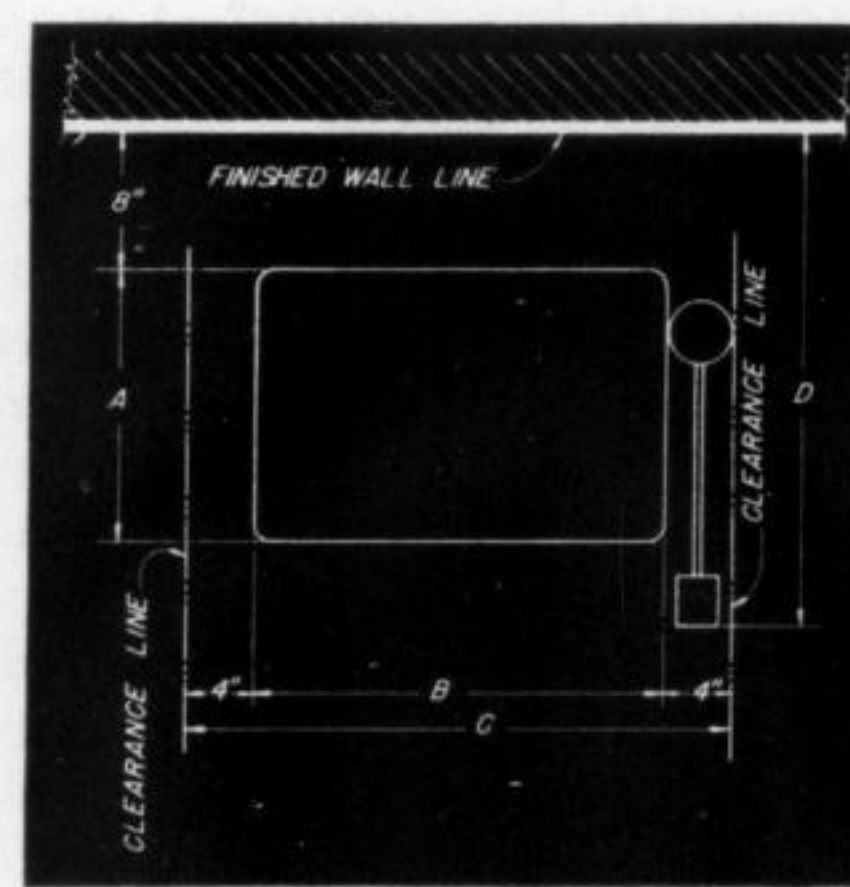
Riser locations will be furnished upon request. Piping ends at back of stand, but piping to risers can be supplied. Sterilizers are heated by steam, gas, or electricity.



Instrument Sterilizer, Steam Heated.



Space Diagram for Steam Heated Instrument Sterilizer.



Space Diagram for Steam Heated Utensil Sterilizer.

The sterilizers are designed for non-pressure sterilization at the atmospheric boiling point of water and can operate on steam, gas or electricity. The body and cover of the sterilizers are of Monel metal. The cover and trays are raised simultaneously by a foot pedal which locks in the open position when fully raised. An oil check pump permits silent lowering of the cover and trays.

Steam Heated Sterilizers require 40 to 60 lbs. of pressure at the sterilizer. Sterilizer is equipped with seamless copper heating coil and standard fittings listed below.

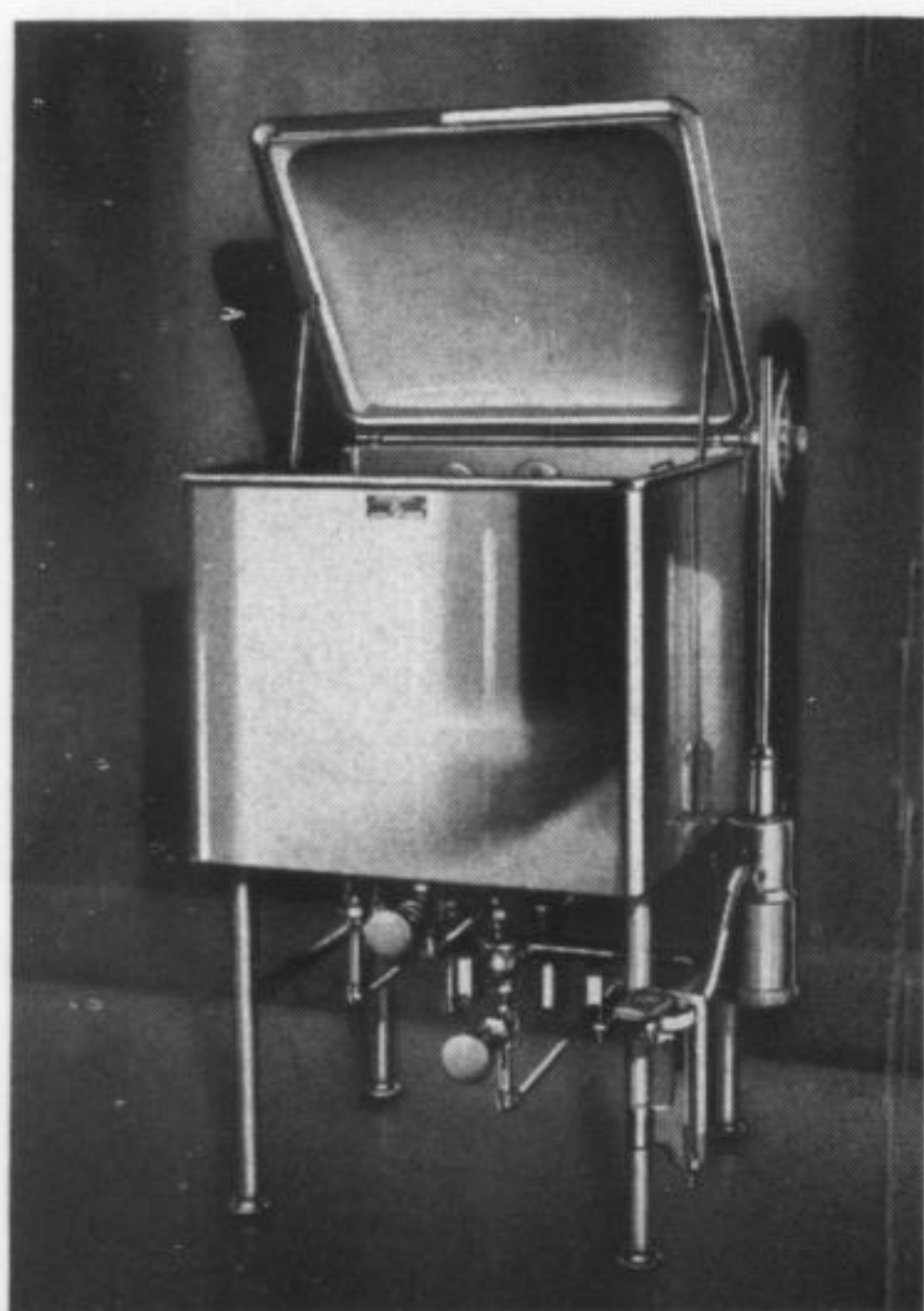
Gas heated sterilizers are equipped with a blue flame gas burner, gas supply valve with air mixer and standard fittings listed below.

Electrically heated sterilizers are equipped with a heavy-duty immersion-type electrical heating element of ample rating. A thermostatic low water cut-out, which automatically shuts off the current in case of low water or excessive lime deposit on the heating element, is an integral part of the heating assembly. The entire heating assembly is designed for easy removal. The sterilizers are wired completely, ready to connect to power outlet.

Fittings: Sterilizers are equipped with all necessary valves, steam strainers, thermostatic steam trap, check valve, water supply valve, sanitary air gap water waste and water supply fitting with drain to waste and combination vent and overflow to waste.

Vent-O-Stat regulates heat within sterilizer to maintain sterilizing temperature without violent boiling of water, thereby prevents excessive steam and eliminates need for vent to outside. (Available at extra cost.)

Milk Pasteurizer and Bottle Sterilizer is of the same general construction as the instrument sterilizer except that it is supplied with Monel bottle rack instead of trays. Designed for use with 8 oz. nursing bottles, but can be obtained with racks for 4 oz. bottles.



A4425 Utensil Sterilizer, Steam Heated, with Hydraulic Lift.



SCANLAN MORRIS

PORTABLE ELECTRIC INSTRUMENT STERILIZERS

Scanlan-Morris portable boiling type instrument sterilizers, electrically heated, are made in three sizes, with three types of mountings; on short Bakelite feet: on plated brass wall brackets and on SterilBrite tubular aluminum alloy floor stands.

An all-automatic electrical assembly keeps units ready for instant use, controls rate of boiling and shuts off current to sterilizer in case of low water, thus protecting heating elements from burn-out, conserving current, and insuring sterilizing temperature.

Smaller sizes are convenient in the operating room, dressing room, clinic and office. Larger size accommodates small utensils as well as instruments, is useful in surgeries, minor operating rooms, emergency rooms, maternity department and utility room.

CONSTRUCTION

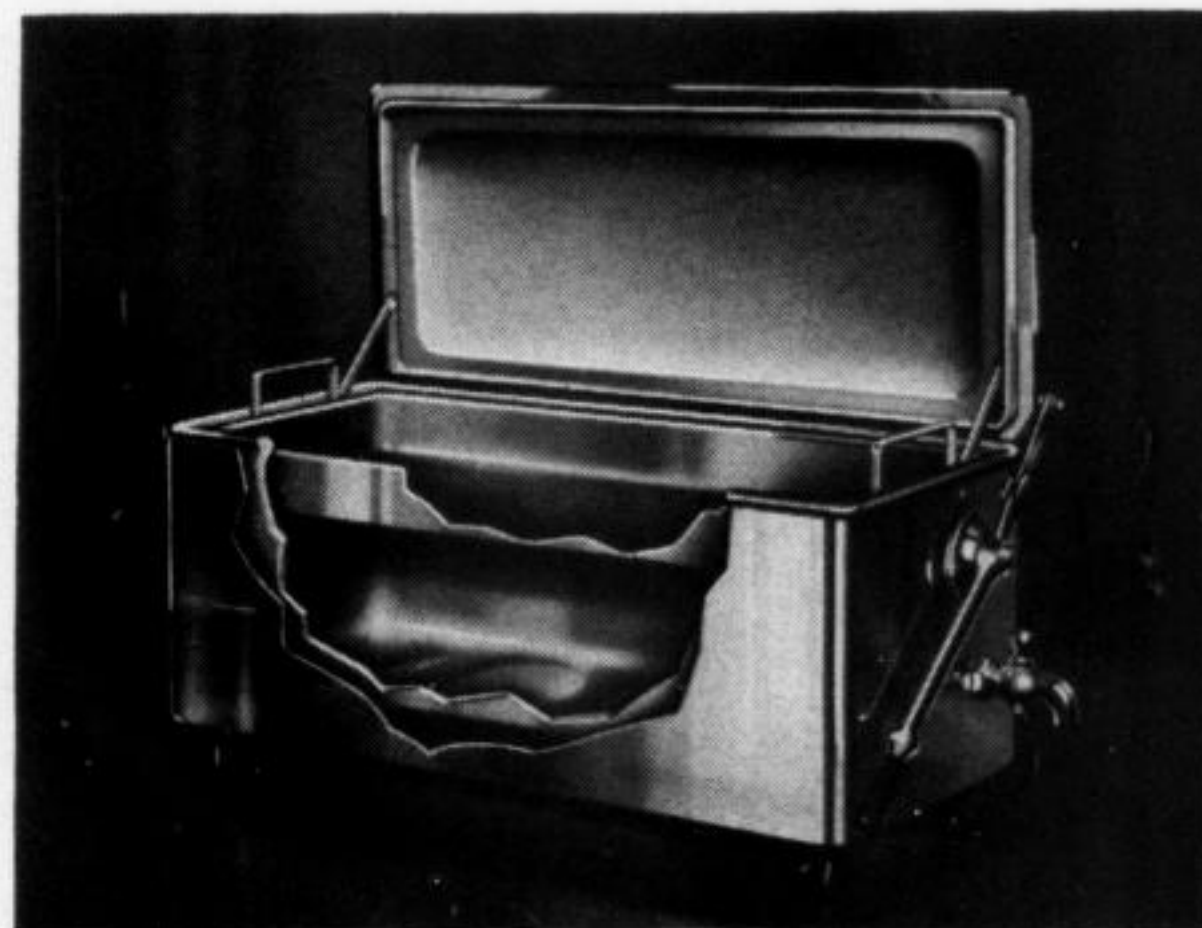
Sterilizer body is cast in one piece of high grade bronze, eliminating seams, rivets, or solder and insuring lifetime durability. Outside is smoothly tinned, inside is stainless steel finishing jacket. Stainless steel cover is reinforced in outer edges and is raised and lowered simultaneously with the tray by a cool Bakelite handle. Drawn instrument tray is of perforated seamless brass, nickel plated, with convenient lifting handles. A needle tray is also furnished.

ELECTRICAL EQUIPMENT

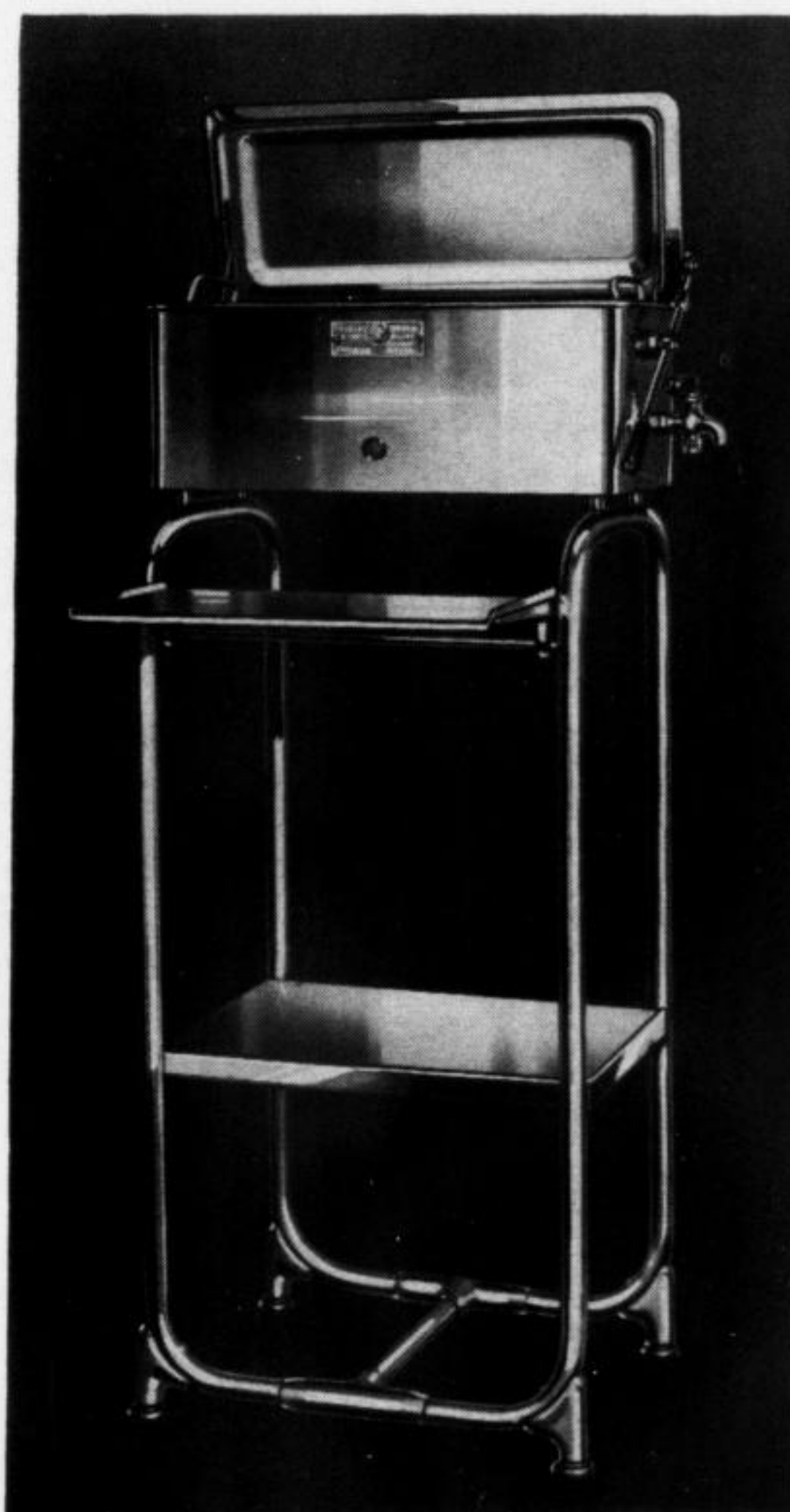
High-efficiency, metal-clad, heating elements with imbedded high grade nichrome heating ribbon are rigidly clamped under bottom of sterilizer and held firmly in place by clamping plates. This construction provides for rapid transfer of heat into the water. Two thermostatic controls continually regulate current to sterilizer. When water in sterilizer begins to boil, one control cuts current to low heat, thus maintaining sterilizing temperature without excessive boiling. When cold water is added or additional instruments placed in the tray, control automatically turns on full current until boiling temperature is again reached. In case water in sterilizer accidentally boils away the low water control promptly shuts off current, thus protecting heating elements from burn-out and preventing damage to instruments.

On 12" and 16" sterilizers (Models A718 and A722) low-water control resets automatically and a line cord switch provides manual control. Small ruby pilot light burns when cord switch is on. These models are equipped with 8 ft. of asbestos insulated cord with plug.

On a 17½ x 7½ x 6" sterilizer (Models A2725, A2727, A2729) low-water control remains off until manually reset. Small ruby pilot light burns when current is on. Manual operation of one control provides ON and OFF positions. Sterilizer is provided with 8 ft. of 3-conductor rubber covered cord (1 wire for grounding) and with 3-pole rubber plug.



Cut-away view of Portable Instrument Sterilizer.



A718 Portable Instrument Sterilizer mounted on SterilBrite floor stand.



A2729 Portable Sterilizer mounted on short Bakelite feet.

PORTABLE ELECTRIC STERILIZERS

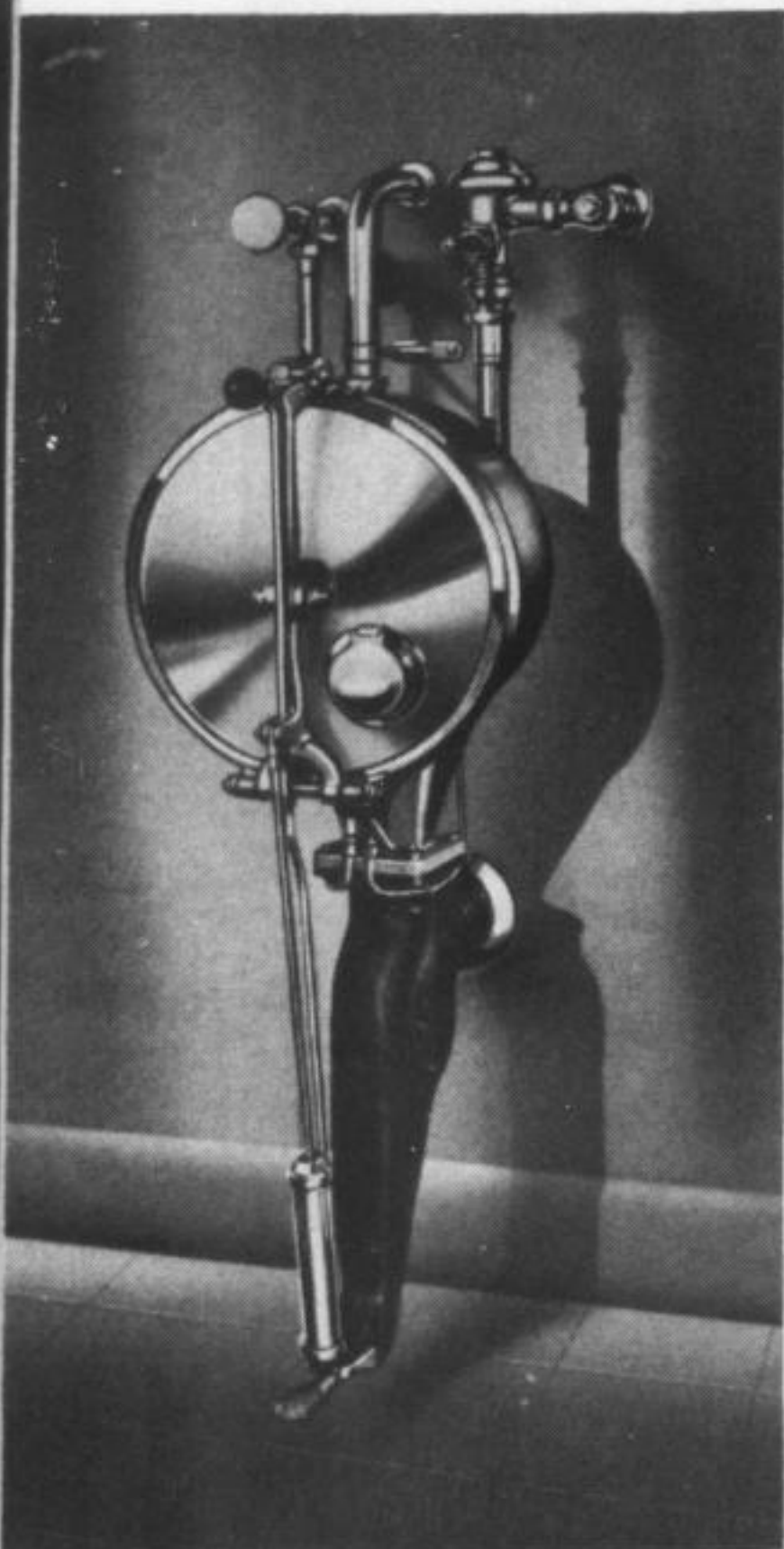
Catalog No.	Size	
A718	12 x 6½ x 4"	Mounted on short Bakelite feet
A718	12 x 6½ x 4"	Mounted on plated brass wall brackets
A718	12 x 6½ x 4"	Mounted on SterilBrite floor stand
A722	16 x 6½ x 4"	Mounted on short Bakelite feet
A722	16 x 6½ x 4"	Mounted on plated brass wall brackets
A722	16 x 6½ x 4"	Mounted on SterilBrite floor stand
A2725	17½ x 7½ x 6"	Mounted on SterilBrite floor stand
A2727	17½ x 7½ x 6"	Mounted on plated brass wall brackets
A2729	17½ x 7½ x 6"	Mounted on short Bakelite feet





SCANLAN MORRIS

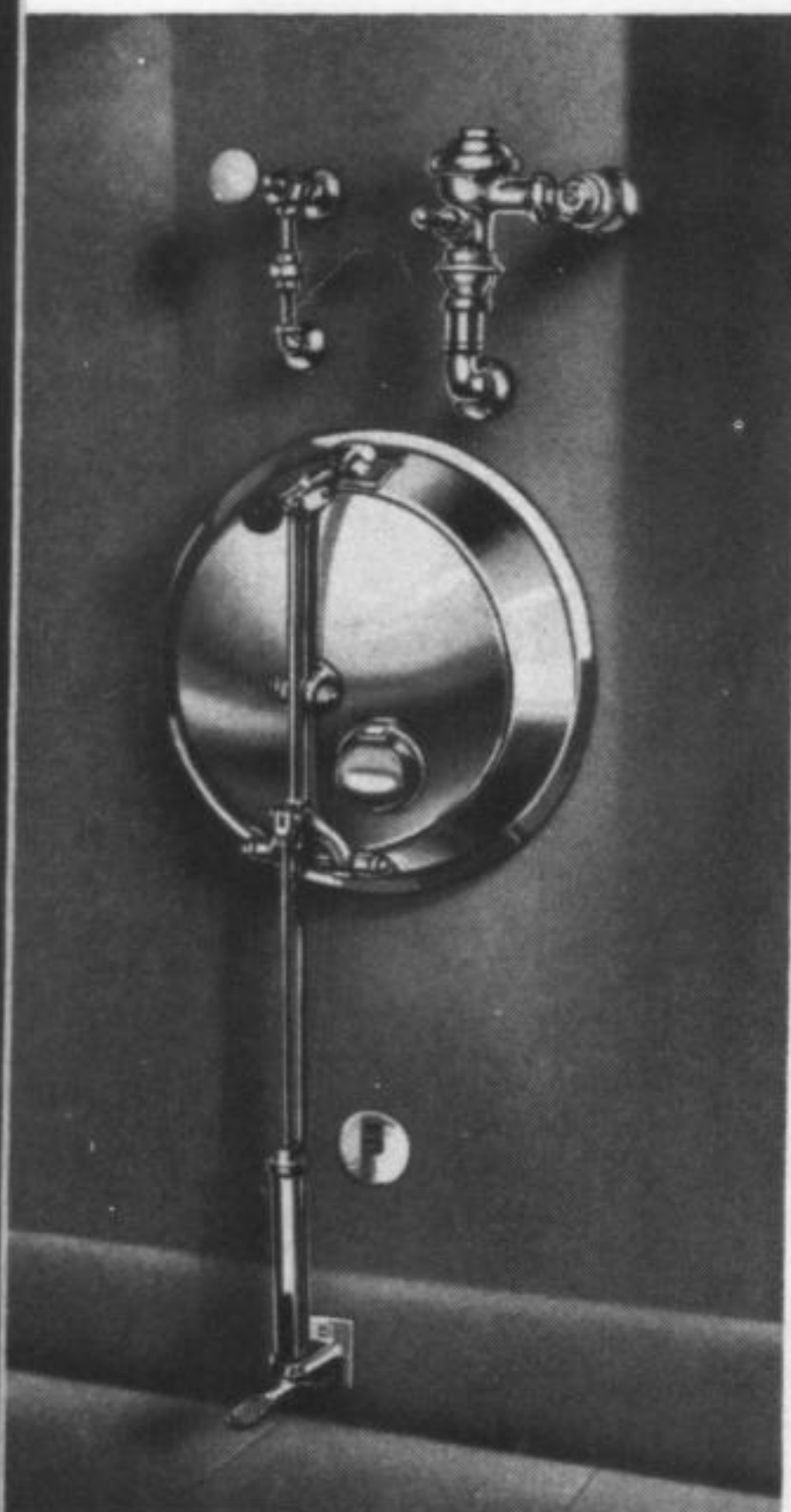
BEDPAN and URINAL WASHER and STERILIZER



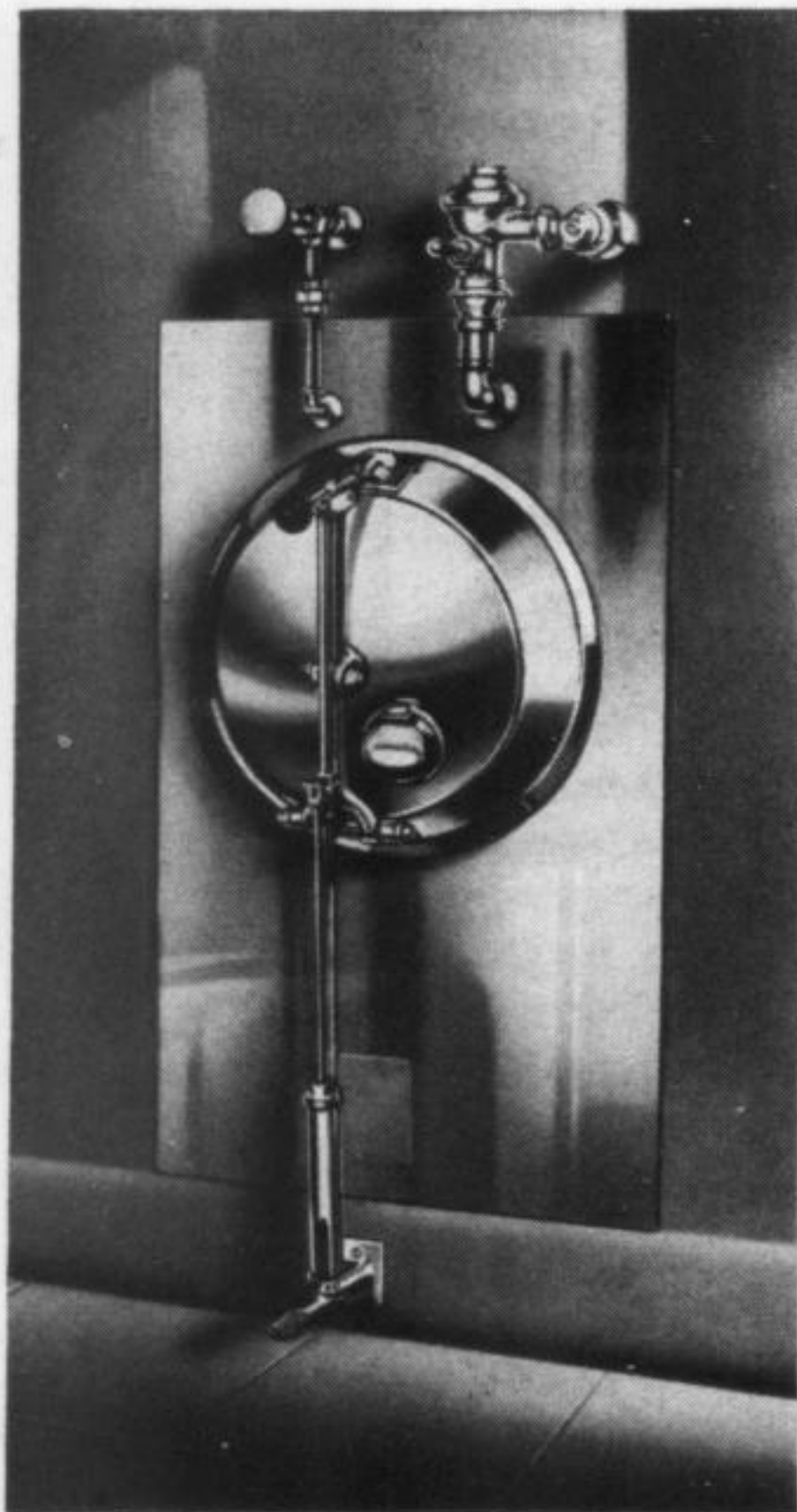
A455, Wall-hung type, is recommended where the hospital desires to have clear floor space beneath the apparatus. The waste outlet is 20 1/2" from the center of the outlet to the floor.



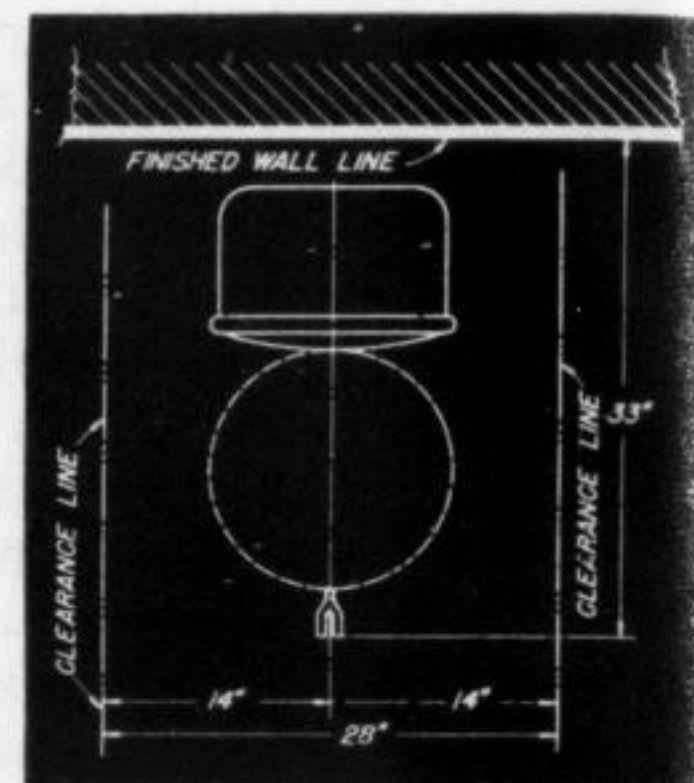
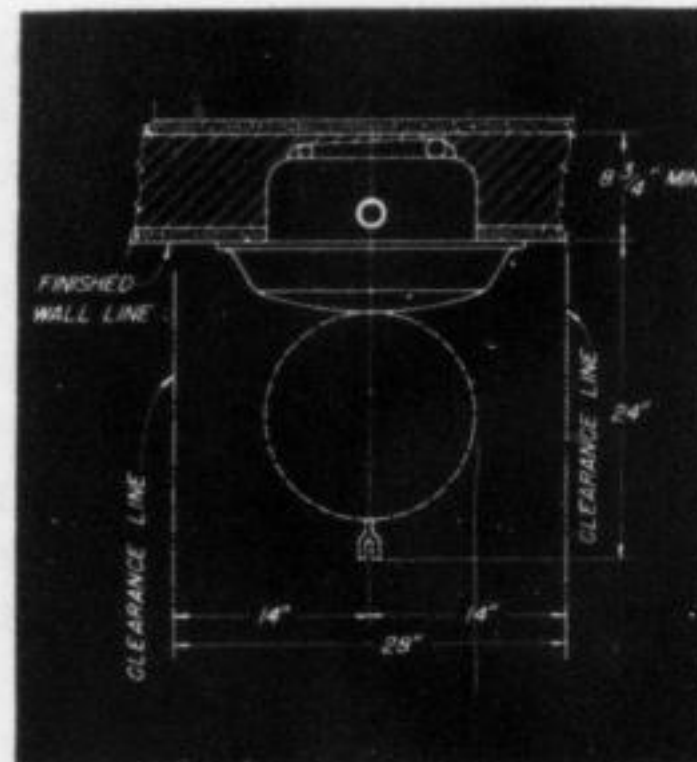
A458, Exposed type, is recommended for replacing obsolete fixtures and for hospital remodeling work. Waste trap is adjustable from 8 to 17 inches to facilitate easy conversion.



A457, Recessed type, is recommended for installations wherever recessing in the wall can be arranged. Most new hospital construction is designed for this type.



A457 Panel Recessed type, is recommended for deluxe installation where wall protection is desired around the washer and sterilizer. Angle iron frame 1 1/4" x 1 1/4" x 3/16" is provided. Stainless steel panel is screwed to frame.



The reasons for the extensive use and enthusiastic approval of Scanlan-Morris bedpan and urinal washers and sterilizers are readily understandable to those who have seen and used them. Factors that influence this wide acclaim include: (1) trim appearance, (2) the thorough cleansing job performed by the apparatus without splashing or odors, (3) the durable corrosion-resistant construction, and (4) the simplicity of operation.

This Scanlan-Morris apparatus makes a simple routine task of what is otherwise disagreeable drudgery. Emptying, flushing with cold water, and steaming with hot water or steam are accomplished in a closed receptacle by an orderly rapid procedure. Little handling of the utensil is involved, splashing and odors are eliminated, nursing time and energies are conserved and better results are secured.

These advantages make the installation of this Scanlan-Morris equipment a paying investment from the standpoint of time saved, improved service to the patient, longtime satisfaction and trouble-free performance.

Scanlan-Morris Bedpan Washers and Sterilizers are available in wall hung, exposed, recessed, or panel recessed models. Cold water and steam is the recommended combination; other combinations include, cold water connection only, hot and cold water and steam, and hot and cold water.

Finish

All models have the interior constructed of copper, heavily tinned. Exterior surfaces are all chrome plated. Pedestal of Model A458 is enclosed in stainless steel jacket. Trap of Model A455 is finished in black porcelain enamel, inside and out.

Traps

All models are equipped with 3" cast iron "P" trap, porcelain enameled inside and outside and provided with a clean-out plug. "S" traps can be supplied for the Model A457 and A458 when required.

Service Requirements

All models require 3" Soil connection. Traps end with 3" Female I.P.S. threads on models A455 and A458 and with 3" spigot end of caulked joint on model A457; 1 1/2" Vent to atmosphere on models A455 and A458, 1 1/4" Vent to atmosphere on models A457 and A457 Panel recessed; 1" cold water and 1/2" steam supply. In cases where steam is not available 1/2" hot water may be substituted.

BARNSTEAD WATER STILLS

CAPACITIES, RATINGS, AND UTILITY REQUIREMENTS FOR STEAM-HEATED STILLS

Catalog Number	Gals. Per Hour	Shipping Weight Appr. Lbs.	Space Required—			Recommended Service Lines—I.P.S.				Boiler H.P. Drawn	Steam Consumed Lbs./Hr.	Cooling Water Gals./Hr.
			Width	Inches Depth	Height	Water	Based on 40-100 Lbs. Steam	40-100 Lbs. Water Pressure	Steam and Return			
SLQ-1V	1	50	19	14	26	1/4"	3/8"	1/4"	3/8"	1/3	9	8
SLQ-2V	2	65	21	14	30	1/4"	3/8"	1/4"	3/8"	2/3	18	16
SMQ-5V	5	130	30	18	40	3/8"	1/2"	3/8"	3/4"	1.7	45	40
SMQ-10V	10	250	36	18	52	1/2"	3/4"	1/2"	1"	3.4	90	80
SMQ-15V	15	400	46	23	61	1/2"	3/4"	1/2"	1 1/4"	5.1	135	120
SMQ-20V	20	460	46	23	67	3/4"	1"	1/2"	1 1/4"	6.8	180	160
SMQ-30V	30	600	54	25	69	3/4"	1 1/4"	1/2"	1 1/4"	10.2	270	240

Service requirements shown are for steam-heated still. Roughing-in data for still will be furnished upon request.

Barnstead water stills are steam gas or electrically heated. Constructed of copper and brass and tinned inside, the Q type stills have in addition to extra duty hard water features, a Spanish Prison Multiple baffle to eliminate Pyrogens.

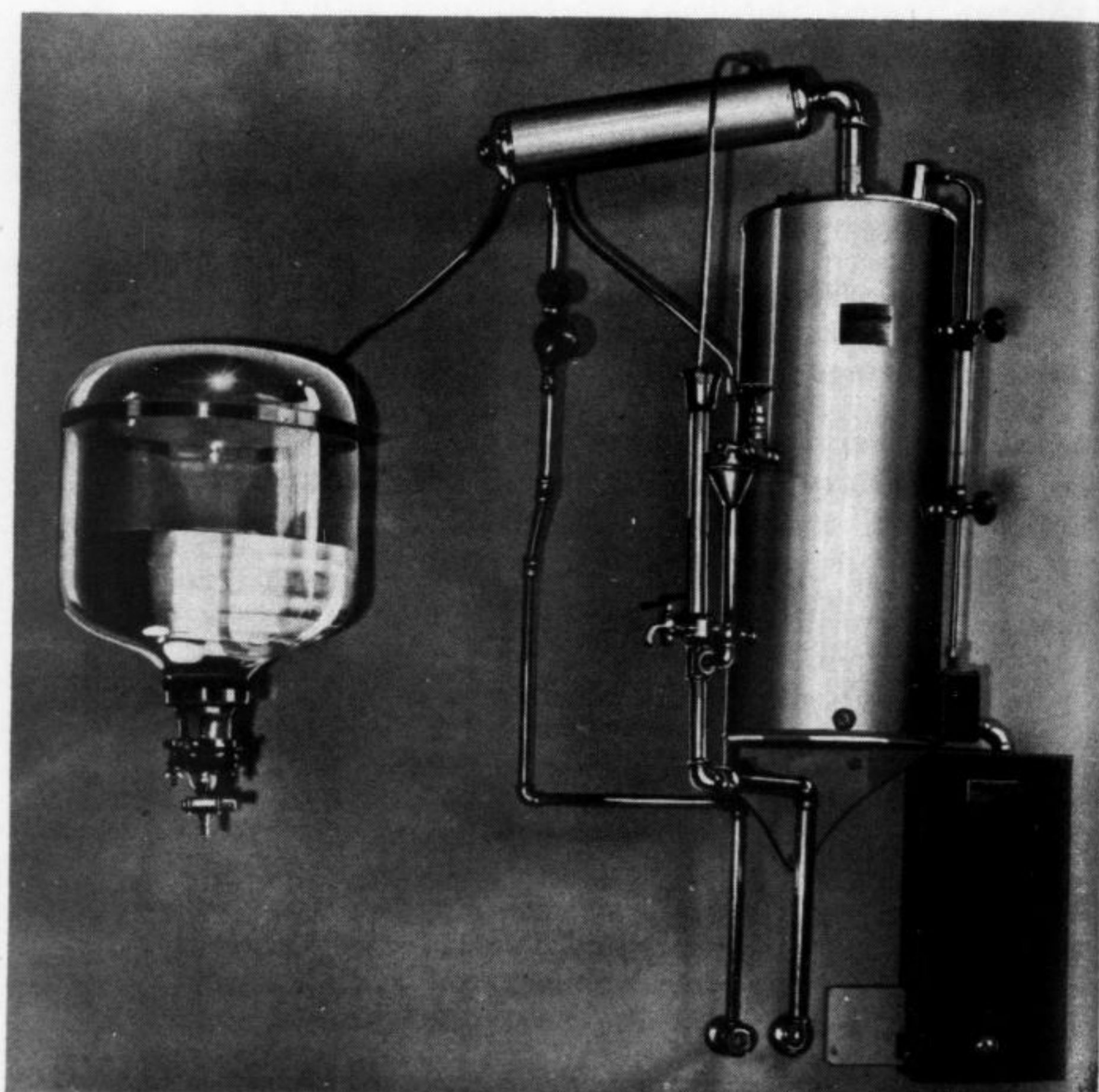
Evaporator is equipped with constant level device and bleeder valve. Condenser is of the horizontal counter-current tubular type slightly inclined and vented for final elimination of gaseous impurities. The still is equipped with traps, check valves, pressure gauge, pure block tin-lined operating valves and pure block tin piping for distillate delivery.

For steam-heated stills the heating coils are tested for 350 lbs. hydrostatic pressure and are mounted for easy removal from the side for cleaning. Stills operate with steam pressure from 40 to 60 lbs.

For electrically heated stills the heating element is mounted on evaporator bottom for operation on 110 volts or 220 volts, A.C. or D.C.

With gas-heated stills, the gas burner is complete with air mixer and shut-off valve. Burners are completely enclosed to prevent heat losses and exposed flame, and are adjustable for gases of 450 to 1300 BTU content.

Stills can be mounted on floor stands or wall brackets of steel finished in aluminum bronze. Recessing accessories are available for steam and electrically heated stills, and in-



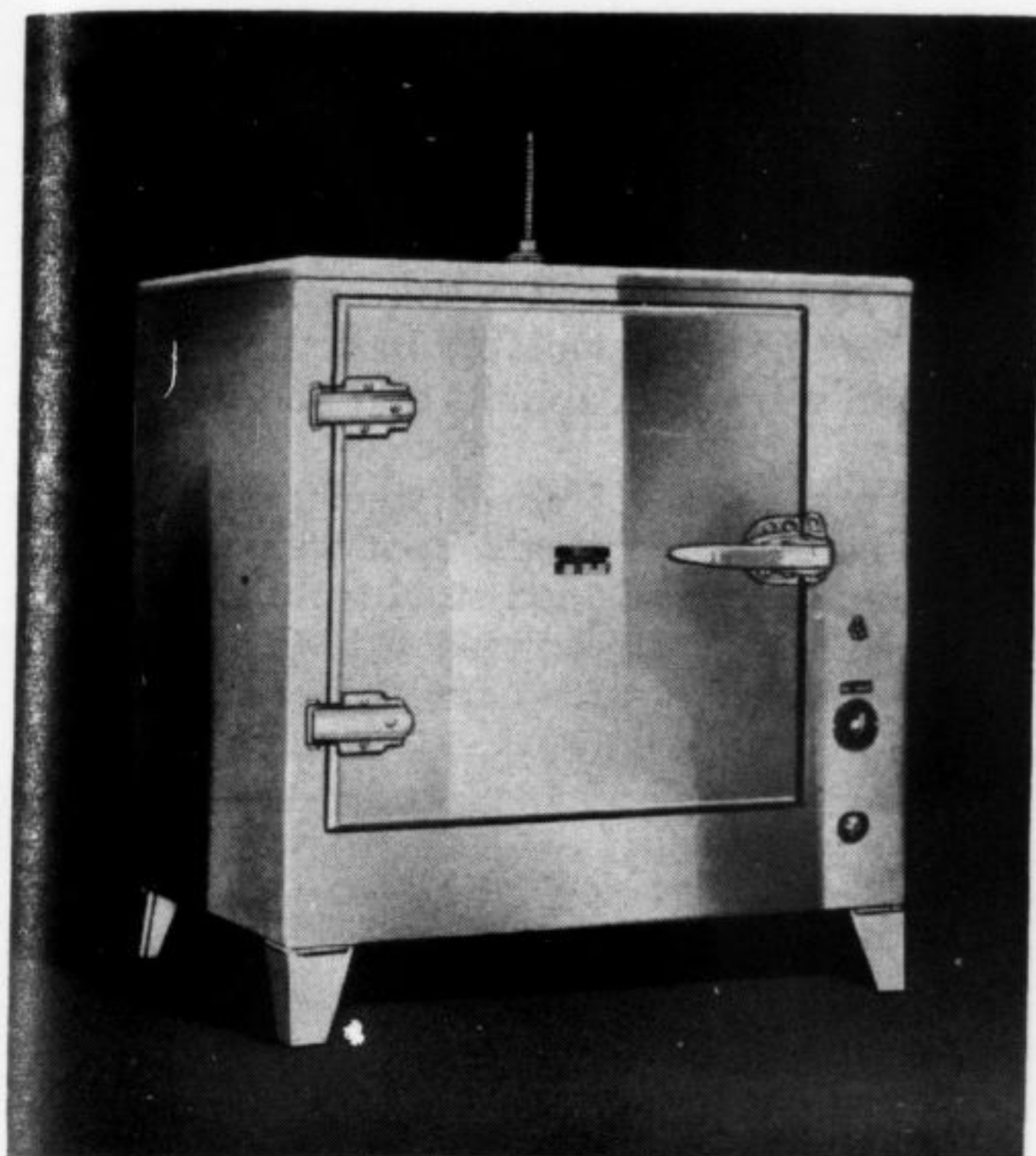
Barnstead Water Still, 5-Gal. per Hr. Capacity, Electrically Heated, with 12-Gal. Pyrex Storage Tank.

clude water, steam and drain valves with extension handles and wall sleeves, and flask shelf of stainless steel.

Storage tanks are made of tin lined copper and can be mounted on floor stands or wall brackets or on combination stand with still. The storage tank can be equipped with steam coil for sterilization of distilled water. Twelve-gallon pyrex storage tanks are also available.

Stills are available in capacities from 1/2 to 30-gallon per hour, and in double and triple units.

HOT AIR STERILIZERS



Hot Air Sterilizer, Gravity Convection Type.

Gravity Convection Dry Air Sterilizer

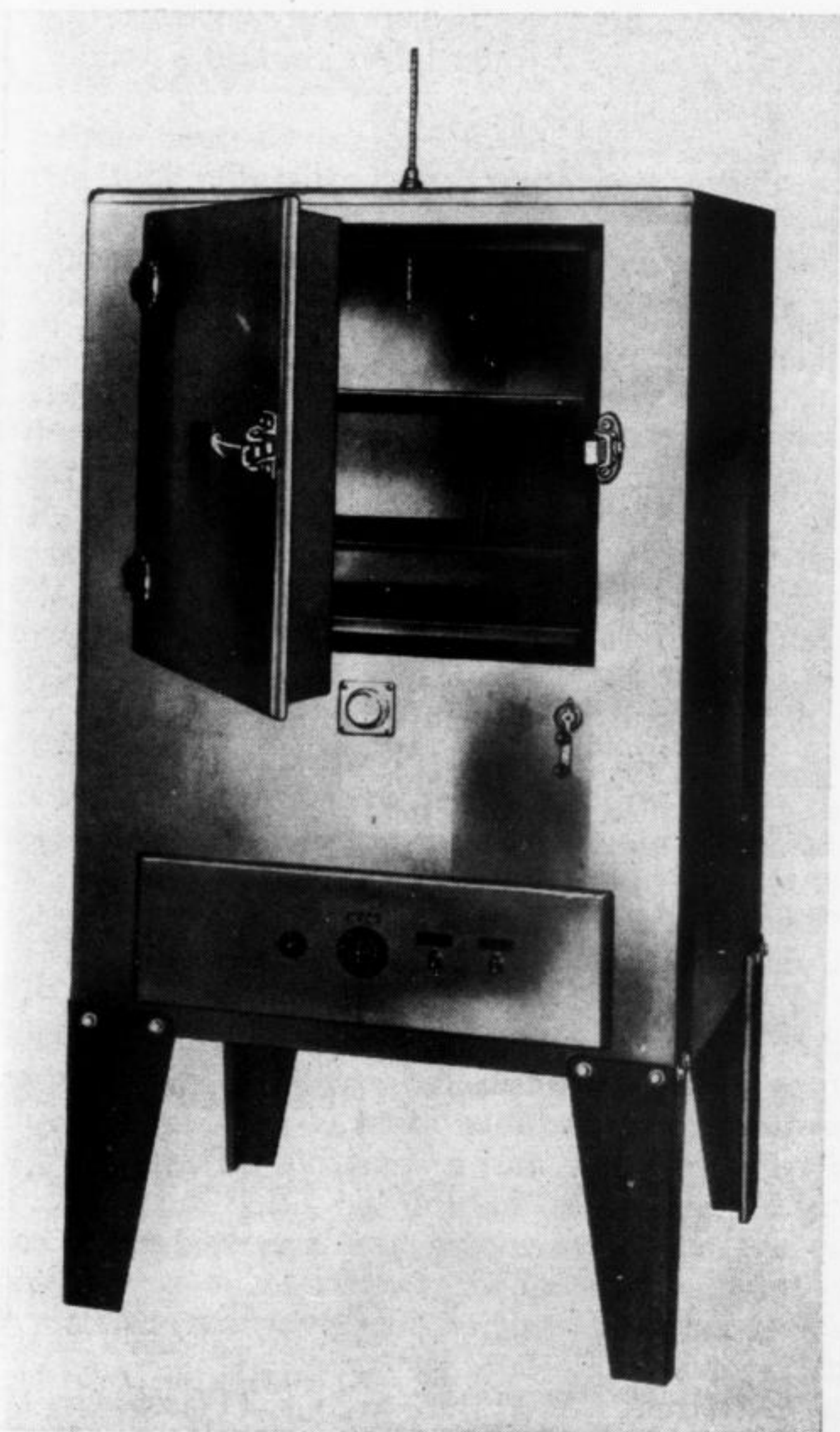
Model No.	Inside Dimensions			Outside Dimensions			Heater Wattage
	Width	Depth	Length	Width	Depth	Length	
100	13	14	13	25	22	28	600
120	25	19	19	37	27	34	1200
130	19	14	19	31	22	34	800
140	37*	19	25	49	27	40	1800

* Double Doors—Note: Floor stands for the No. 100 series are available.

Mechanical Convection Dry Air Sterilizer†

821	19	14	19	Floor Space 30 x 22" Overall height 61" Single door	2700
831	25	19	19	Floor Space, 36 x 27" Overall height 61" Single door	2700
841	37	19	25	Floor Space, 49 x 27" Overall height 64" Double door	4100

† Maximum temperature: 180°C (other mechanical convection dry air sterilizers for maximum temperature of 260°C, available on special order).



Hot Air Sterilizer, Mechanical Convection Type.

Hot air sterilizers are of double-walled construction, built on a structural steel framework to prevent distortion. To the base, which acts as a foundation, are welded the outer walls and heavy steel legs. Cabinets are all metal, electrically welded, with no screws or bolts. All interior wall seams are welded. Outer walls are fabricated from one continuous sheet, without sharp corners or seams, and the top is likewise one continuous sheet. All interiors are stainless steel. Exteriors are rust resistant iron with aluminum finish, or stainless steel as desired.

The doors are double-walled construction and packed with 3" insulation. Doors swing freely on refrigerator-type hinges and have a self-closing pressure latch.

Both inner and outer walls are properly braced to prevent buckling or bulging. The inner and outer walls have 3" of glass wool insulation between them to prevent heat losses.

Sterilizers are electrically heated. All wiring, relays, switches, pilot lamps and auxiliary electrical devices are approved by the U. S. Underwriters' Laboratories and meet the National Electrical Code. Models up to 1200 watts have a 6-foot cord and models over 1200 watts have a terminal block.

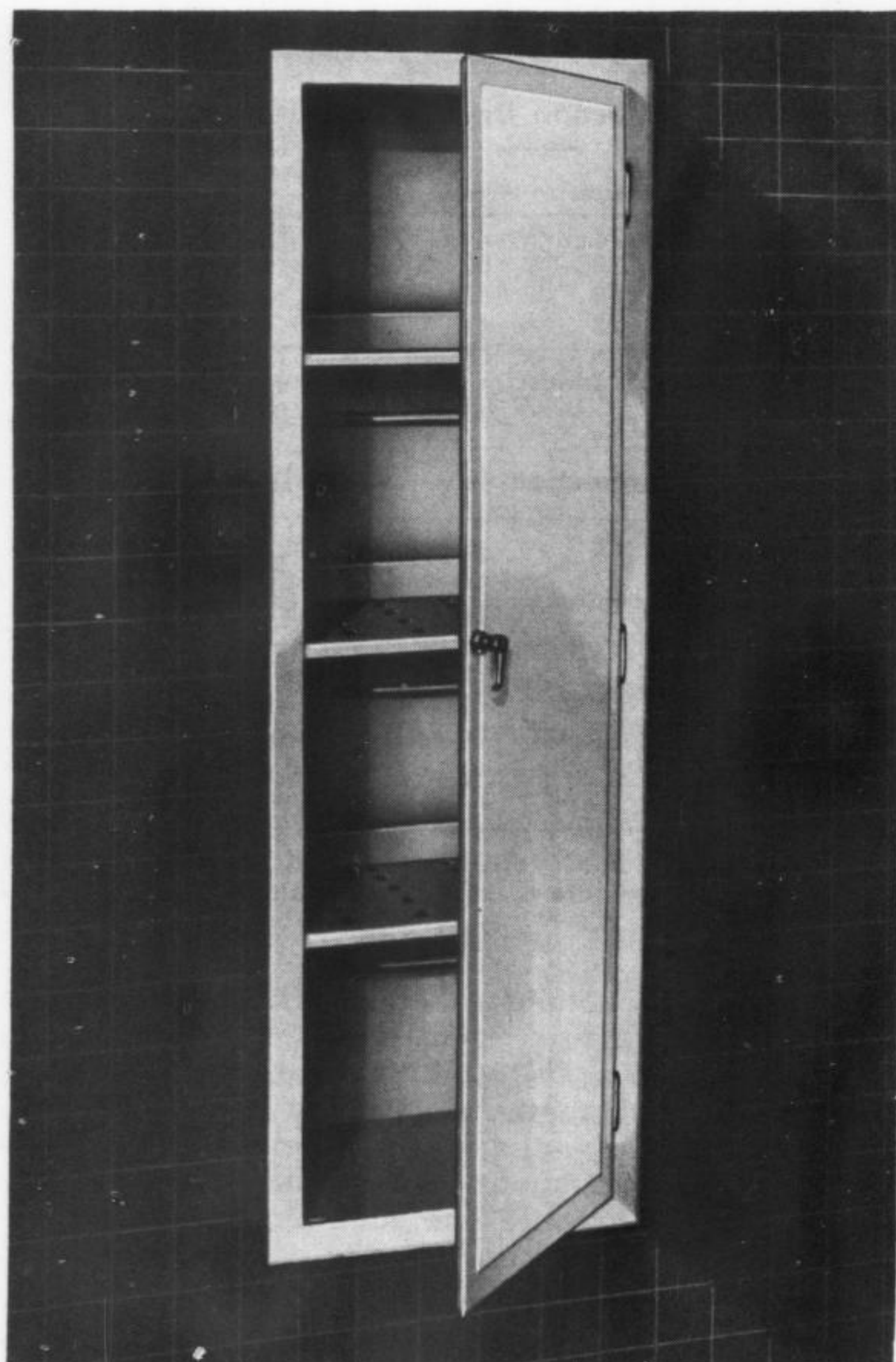
The sterilizers can be either gravity convection or mechanical convection. In the gravity convection model, air circulates in accord with existing temperature differences between various portions of the cabinet. In the mechanical convection type, a motor-driven turbo-blower produces a rapid movement of a large volume of heated air which conveys heat directly to the load under absolutely controlled temperature conditions.

All models are complete with thermometers, pilot lights, shelves and electrical connections.

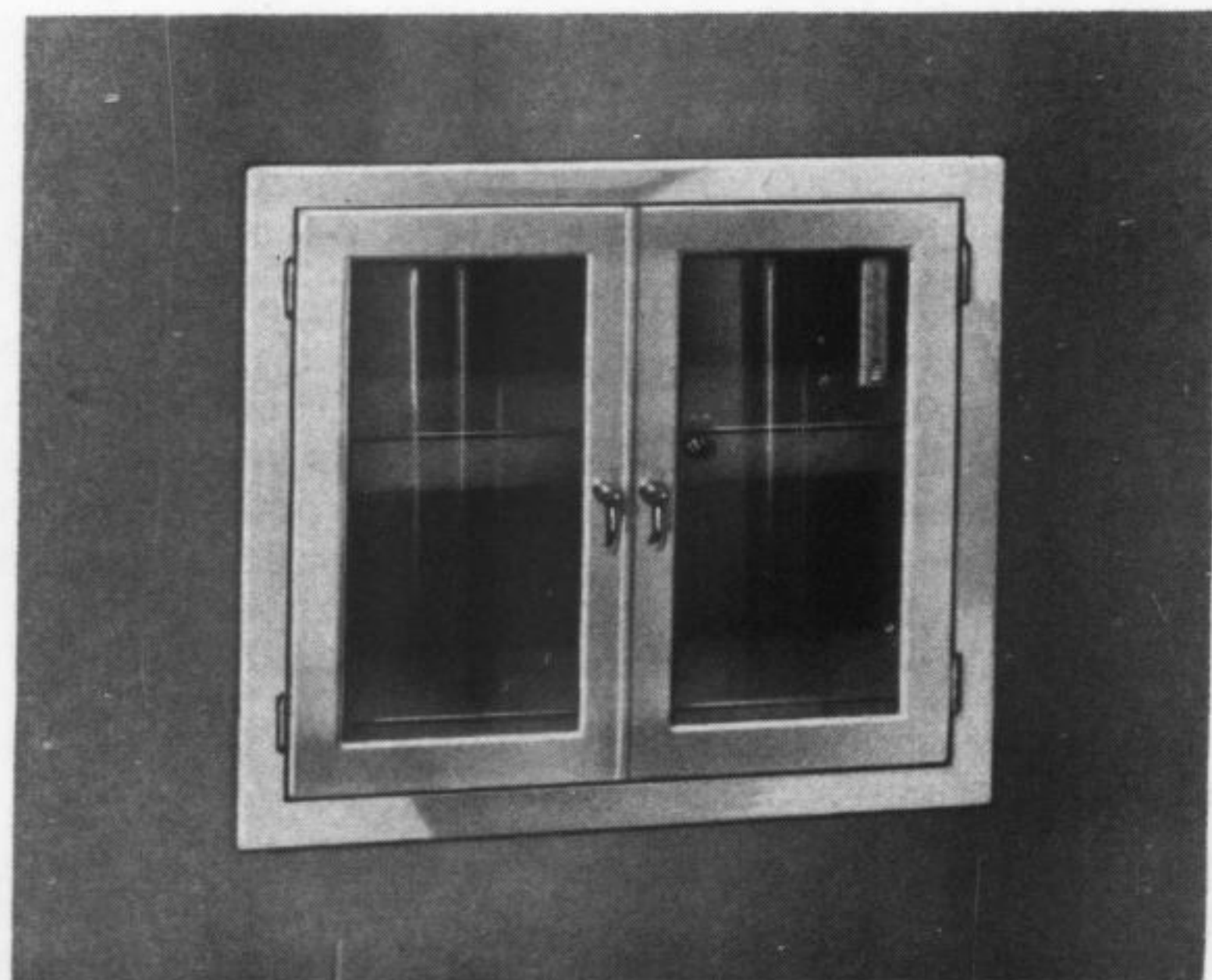
All models described here are exposed type but recessed units can be obtained on special order. The number 100 series (Model Numbers 100, 120, 130, 140) are counter mounted or stand mounted as specified. Roughing in data furnished upon request.



SCANLAN MORRIS BLANKET WARMERS and SOLUTION WARMERS



A2427S 18 x 24 x 72" Steam Heated, Recessed Type, Blanket Warmer.



A2987 Solution Warming Cabinet Recessed Type.

BLANKET WARMERS

Blanket warming cabinets can be exposed or recessed, steam or electrically heated. Cabinets are equipped with adjustable perforated metal shelves and double-walled paneled doors. Sizes available (all 72" high) are 18 x 24", 18 x 30", and 18 x 36". Special sizes built to order. Also available in combinations to include solution warming cabinets and bed pan warming cabinets.

The cabinet is made of sheet steel not less than .037 with all corners and seams spot welded and accurately formed over a welded steel front frame with all corners filled, sweated and smoothly finished, making practically a one-piece construction.

Cabinet doors are of double-wall reinforced hollow construction, with paneled fronts, and with offset overlapping flange not less than 1/2" wide to cover the edge of the door opening. Doors are suspended on three semi-concealed tight pin hinges with concealed screws and have a vault-type door handle.

Steam heated blanket warmers are equipped with a 1/2" I.P.S. seamless copper heating coil, attached to the back of the cabinet, a 1/2" Jenkins steam valve, and steam return trap.

Electrically heated blanket warmers are equipped with a special perforated heating section in the bottom, adjustable limiting thermostat with an OFF position, and plug with outlet box and receptacle for 110 volt service.

Cabinets have perforated metal shelves with 1" double folded edge mounted on adjustable shelf strips and brackets.

Exposed exterior finished in Silvertone, interior in aluminum bronze.

SOLUTION WARMERS

Solution warming cabinets can be exposed or recessed type. Each is fitted with a glass panel door, automatically controlled electrically heated warming shelves, and thermometer.

The body is constructed of sheet steel not less than .037", accurately formed over a welded steel front frame not less than 2" wide.

The door frame is of reinforced hollow wall construction, made of sheet steel with interlocked and sweated edges and an offset overlapping flange not less than 1/2" wide. The inner edge of the door frame is beveled and makes smooth contact with the glass panel. The doors are hung on substantial hinges and have a vault type door handle.

The electrically heated warming shelves are of sheet steel with polished Monel sheet top. The shelf is equipped with a metal clad space heating element (250 watts for each square foot), a pilot light behind a large ruby bullseye and a sensitive adjustable mercury tube thermostat having an OFF position. An outlet receptacle with wiring box is provided for connection to the electrical supply circuit.

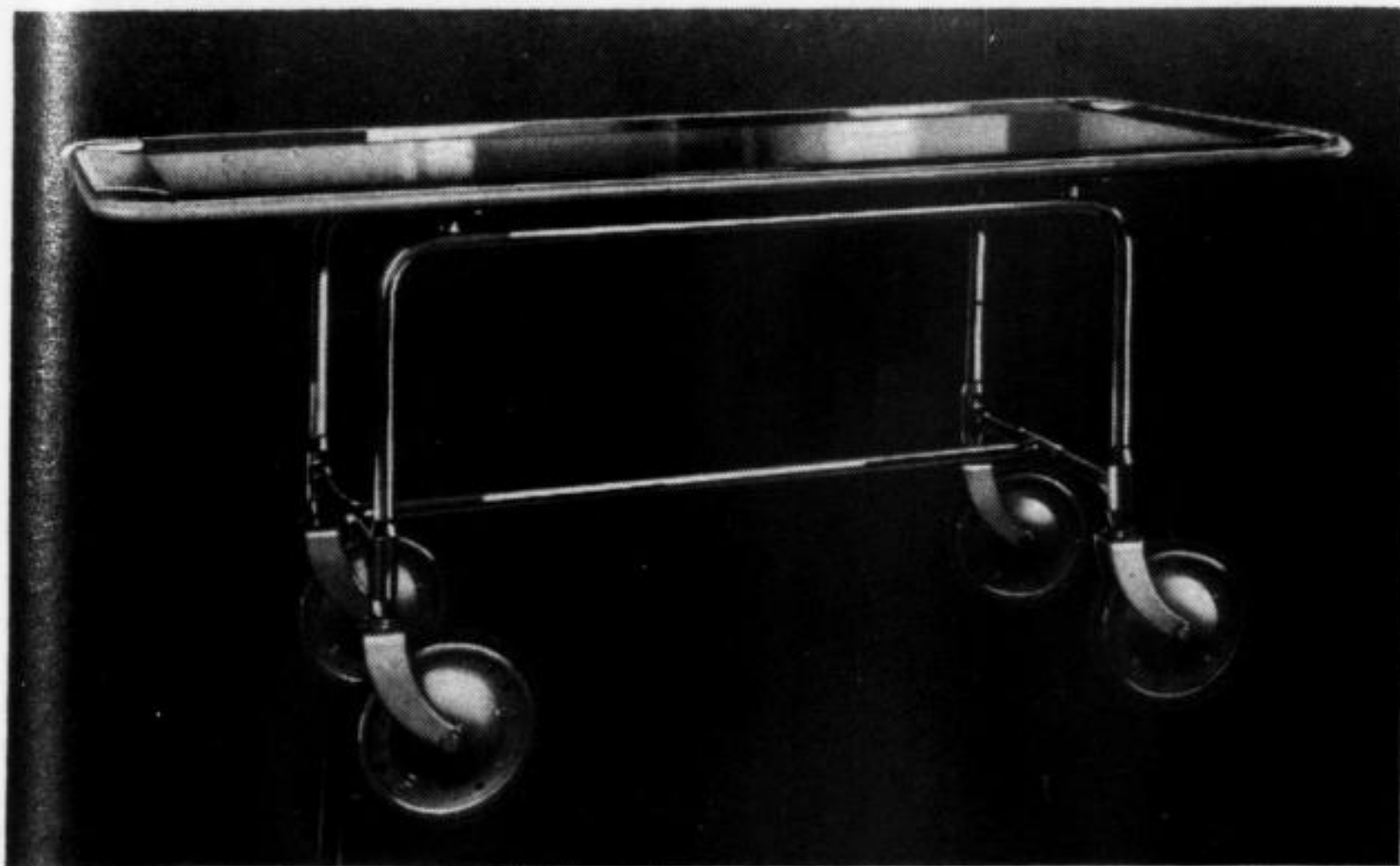
Exposed exterior finished in Silvertone, interior in aluminum bronze.

Standard sizes: A987; 19" high x 31" wide x 10" deep; A2987; 36" high x 24" wide x 12" deep. Drawings furnished on request.



STERILBRITE FURNITURE

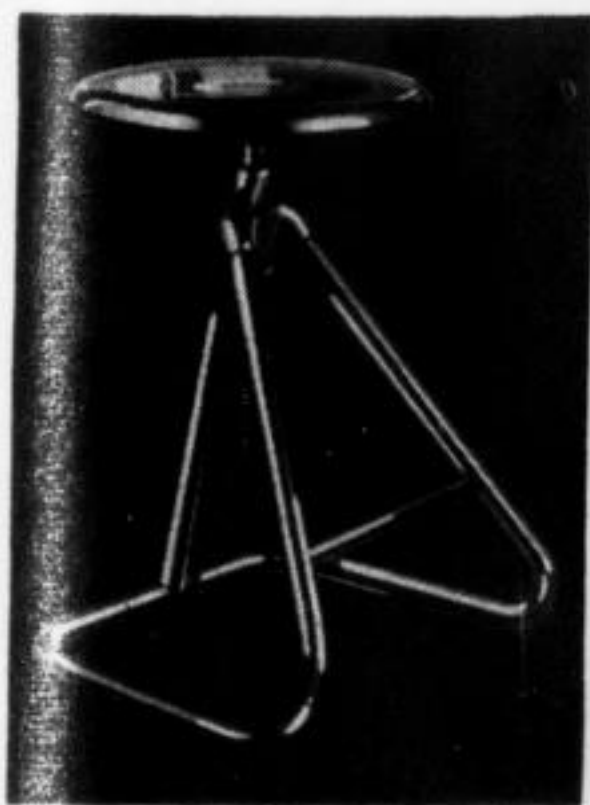
Scanlan-Morris SterilBrite Furniture is made of continuous tube frames rigidly gripped by solid connector castings. Of strong aluminum alloy, they need no plating, but stay bright even after years of service. Tops and shelves are of brightly polished and sound deadened stainless steel. Solid rubber casters or rubber-tired wheels move on noiseless ball bearings for smooth mobility. The use of aluminum alloy combines lightweight plus strength. Lifetime, non-chipping SterilBrite surfaces are extraordinarily resistant to bumps, scratches, and the most persistent operating room stains.



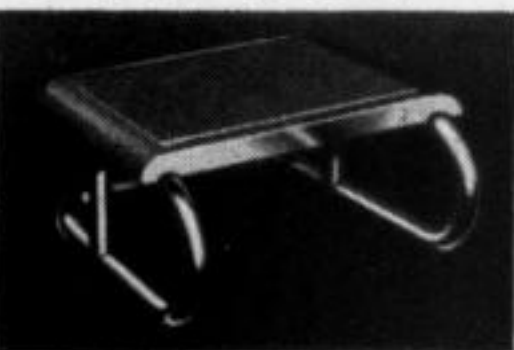
↑ A3295 — SterilBrite wheel stretcher with four 8" diameter ball bearing swivel wheels, disc type. Length 72", width 25½", height 32". Will support 675 lbs. Top is rubber bumpered. Also available as spinal anesthesia wheel stretcher with hinged top. (Catalog number A3298.)



↑ A3131 — SterilBrite Instrument and supply table, 34" high with 20" x 48" top and shelf, on 2" ball bearing casters. A3127 same as A3131 only 20" x 36". A3121 same as A3131 only 16" x 20". A3117 circular form instrument and supply table 15" x 72".



↑ A3200 — SterilBrite operator's stool with chrome plated pressed steel revolving seat adjustable from 18" to 27". Also available as A3212 anesthetist's stool with an adjustable range of from 18" to 32".



A3206 — SterilBrite operator's footstool with serrated cast aluminum top 8" x 10" x 14" also available as A3208, size 8" x 10" x 30".

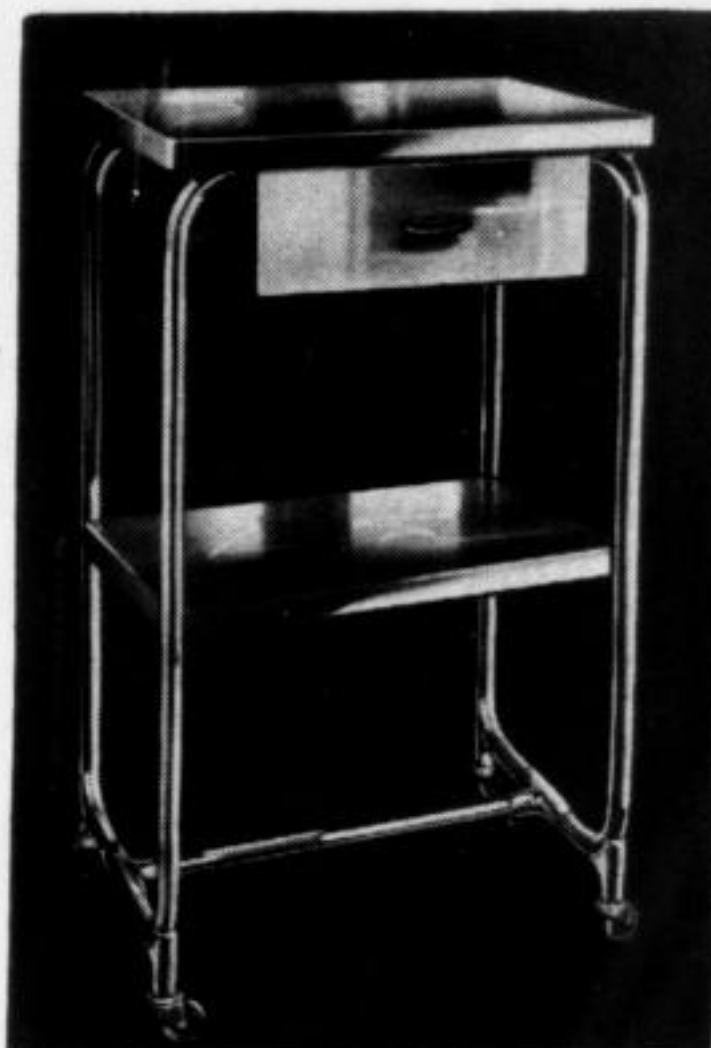
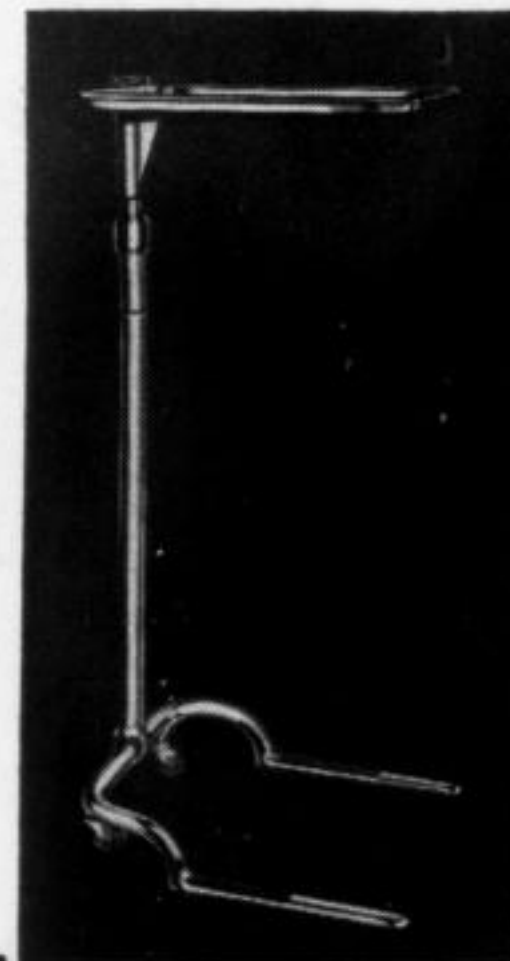


A2255 — Soiled sponge receptacle on rubber-tired swivel casters with oval stainless steel pan 16" x 12" x 5". A2258 has 12 qt. stainless steel pail.

A3244 — SterilBrite double irrigator stand → adjustable from 71" to 102" with automatic locking device, two 1½ gallon irrigator jars with covers, Valentine rubber tubes, cutoffs, and glass irrigating nozzles. Also available a single irrigator stand complete as above (A3242), irrigator stand, only, with automatic locking device (A3241) or double irrigator stand, only, with set screw locking device (A3240).

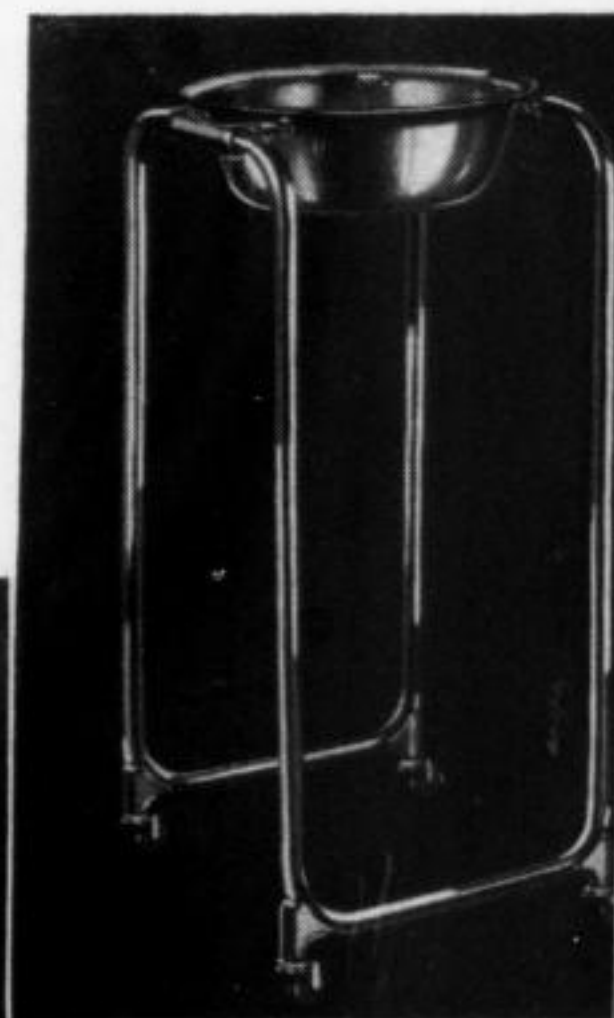


A3076-B — SterilBrite Mayo Instrument stand adjustable in height from 39" to 54" with automatic locking device complete with 14" x 18" x 1" stainless steel instrument tray. Mounted on two casters for ease of movement, and finished in chrome plate. Also available with set screw locking device (A3074-B).

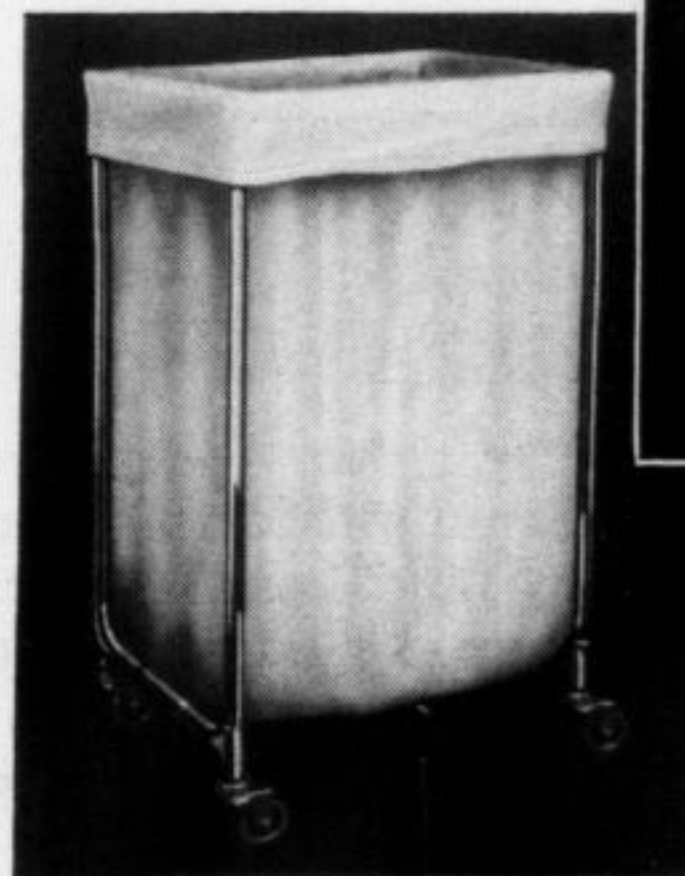


← A3172 — SterilBrite Anesthetist's Table: 34" high with 16" x 20" stainless steel top, and shelf with 13½" x 14" x 4" drawer. Mounted on 2" solid rubber casters. A3171 same as A3172 except without shelf. A3142 with two removable stainless steel trays 14" x 18" x 1" and 16" x 14" x 4" drawer instead of top or shelf—A3140 same as A3142 except without drawer.

A3220 — SterilBrite single solution stand → 34" high on 2" solid rubber ball bearing casters with 14" diameter steel basin. Also available as double solution stand (A3222) with two 14" diameter steel basins, and as a single arm immersion stand with 9" x 16" porcelain enameled steel tank.



A3384 — SterilBrite linen hamper 34" high on 3" rubber-tired casters with heavy canvas bag for used linens; 25" in diameter and 30" deep. Extra canvas linen hamper bags (A0384B) available complete with draw strings.



For fully detailed information write for catalog 1069.



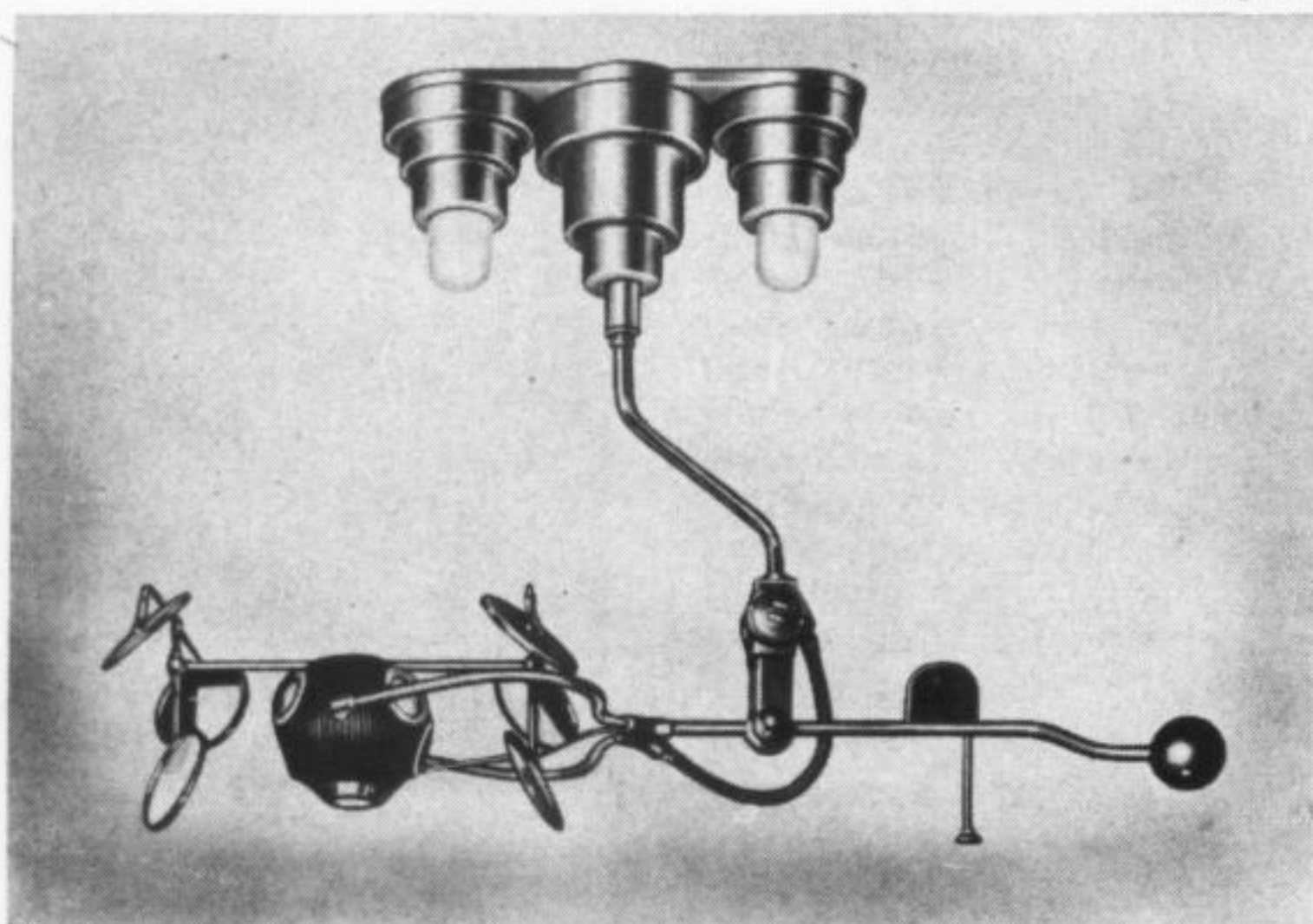


OPERAY MULTIBEAM AND SURGORAY LIGHTS

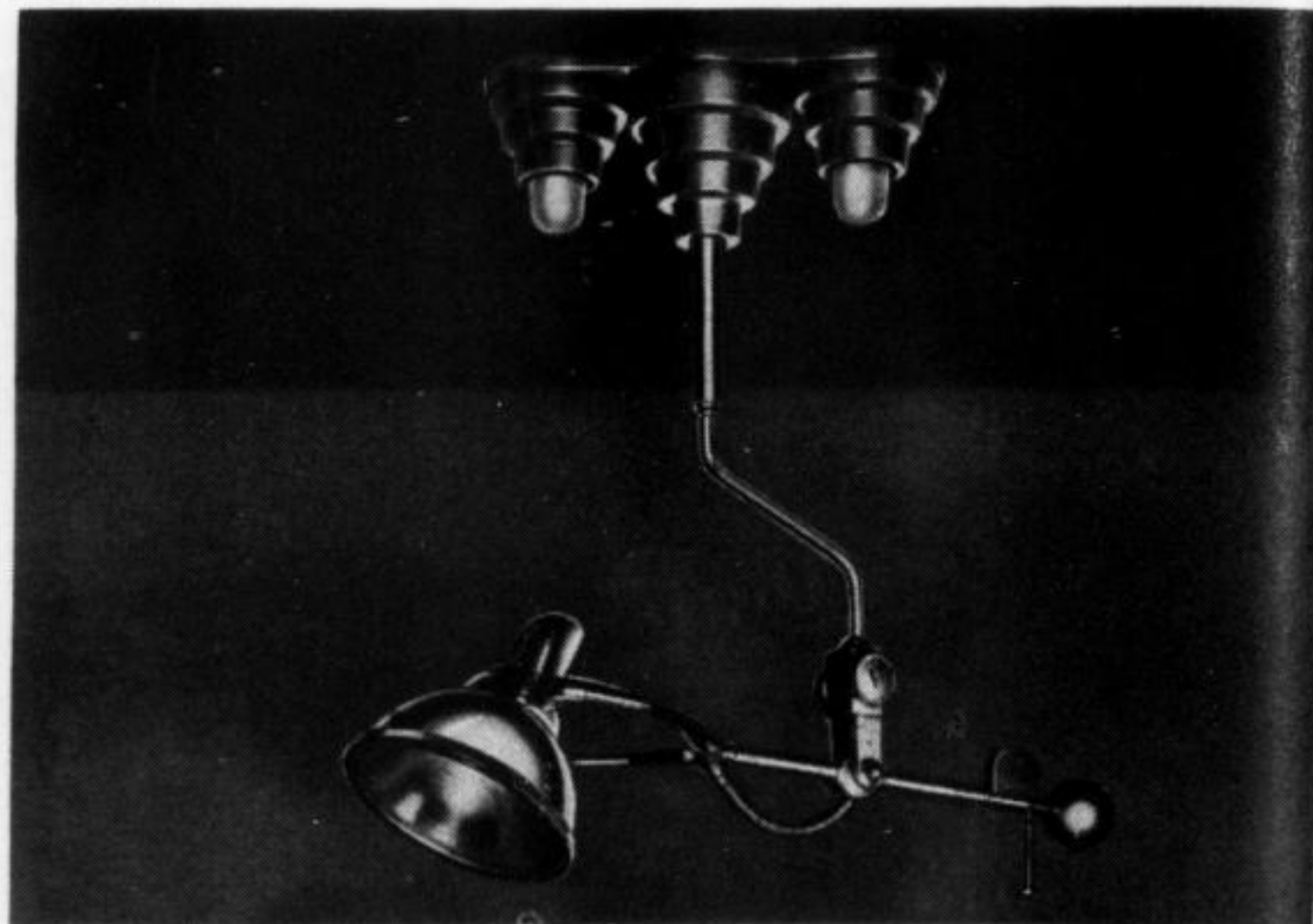
In progressive hospitals throughout the world the steady, dependable beam of Scanlan-Morris Operay Surgical Lights has long been a vital element of surgeries and delivery rooms. The Operay Multi-Beam Light with its series of six strategically placed lenses projects a glareless, almost shadowless illumination into even the most deep and difficult cavities . . . the Operay Surg-O-Ray Light provides clear, color corrected, uniform illumination, warranted heat free by a ventilated cylinder of heat absorbing glass which filters all light rays. These excellent Scanlan-Morris Lights are available in standard or explosion proof models as illustrated.

EXPLOSION PROOF MODELS

Listed with Underwriters Laboratories for use in Class I Group C Hazardous Locations (Operating Rooms)



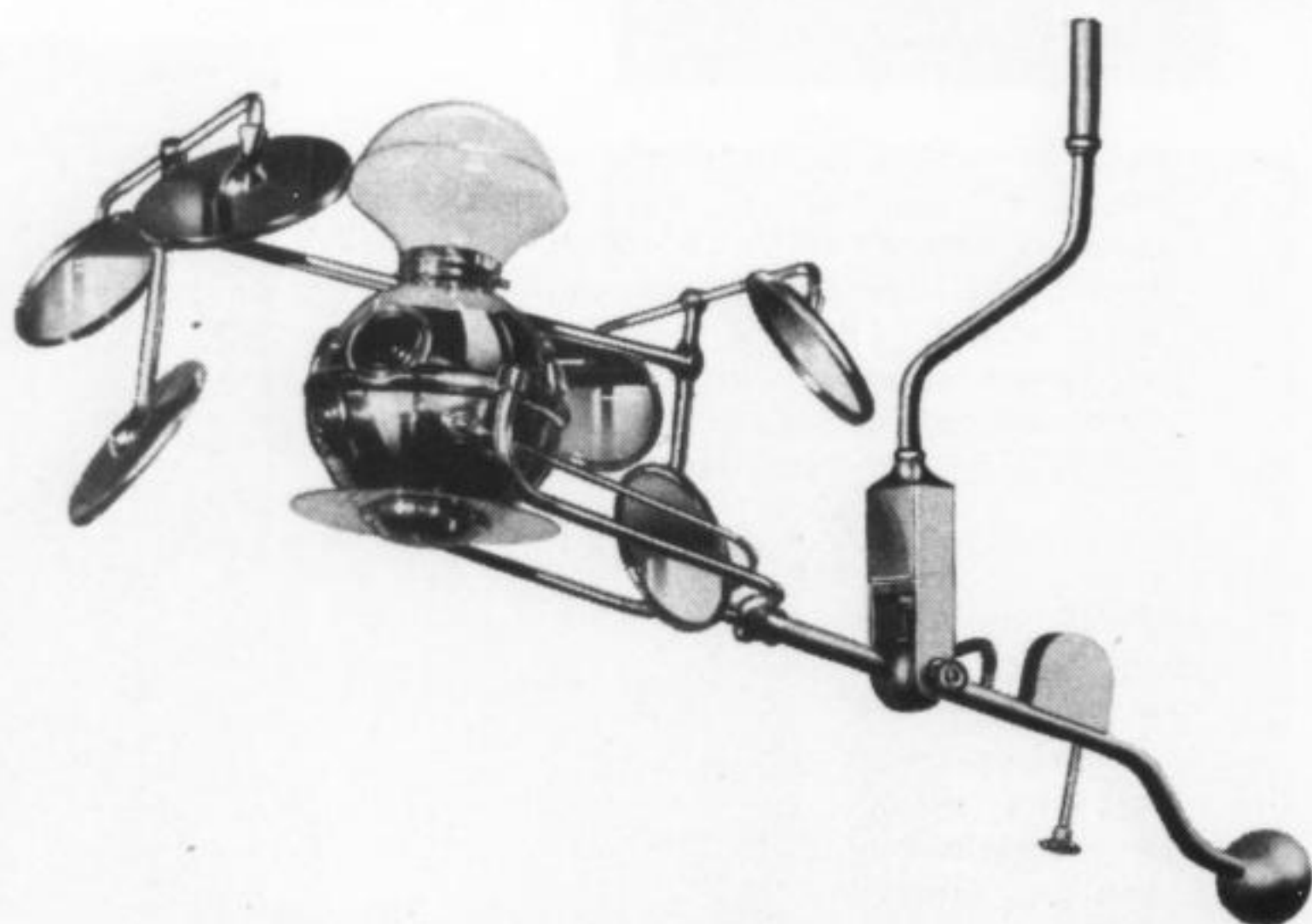
A3289 Scanlan-Morris Explosion-proof Operay Multibeam assures adequate illumination for any operating procedure. Expertly designed Scanlan-Morris balance system means lamp positioning at a touch of the hand. Recommended for use in all major operating rooms, minor operating rooms, surgical delivery rooms.



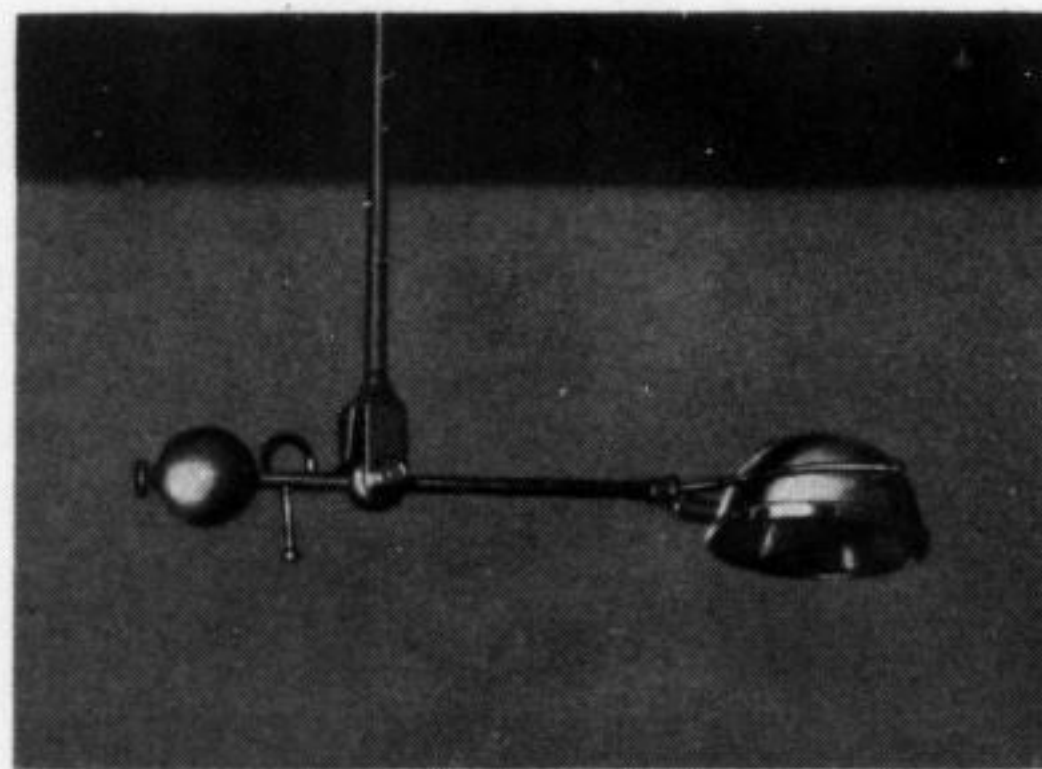
A4293 Scanlan-Morris Explosion-proof Operay Surg-O-Ray (also available in portable model) can be had with continuous turn swivel-offset or straight hanger. Rays from the 200-watt single filament lamp pass through ventilated, heat-absorbing glass cylinders, to provide cool, glareless illumination. Recommended for use in minor operating rooms, delivery rooms and emergency rooms.

STANDARD MODELS

Fixtures can be provided with "stops" to prevent lowering of lamp head below 5 foot level.



A289-012 Scanlan-Morris Operay Multibeam offers same flexibility and ease of adjustment as explosion proof Multibeam. In addition has globe-encased general illumination lamp mounted on projection head. Recommended for use in major operating rooms, minor operating rooms, surgical delivery rooms, and E.E.N.T. rooms.



Scanlan Morris Operay Surg-O-Ray provides clear, color-corrected, uniform illumination free from spots and glare. Heat from light rays are absorbed within the projector. Available as model A2291 with straight hanger, or as A2293 with swivel-offset hanger. Recommended for extensive use in minor operating rooms, delivery rooms, emergency delivery rooms, emergency rooms, cystoscopic rooms, autopsy rooms, E.E.N.T. rooms. (Also available in portable model.)



OPERAY MULTIBEAM AND SURGORAY LIGHTS

CEILING LIGHTS

General room illumination lights are available on all ceiling hung models. U. L. listed explosion-proof ceiling lights are supplied with explosion-proof models.

Light Model	Location over Table	Minimum Ceiling Height Without Ceiling Lights	Ceiling Height With Ceiling Lights	Mounting	Approximate Weight Less Ceiling Lights
A3289	Fig. A	8' 6"	9'	Fig. C	112 Lbs.
A289-012	Fig. A	9'	9'	Fig. D	86 Lbs.
A2293	Fig. B	7' 10"	7' 10"	Fig. D	80 Lbs.
A4293	Fig. B	8' 6"	9'	Fig. C	110 Lbs.

LOCATION PLAN FOR INSTALLATION OF MULTIBEAM OPERAY LIGHTS

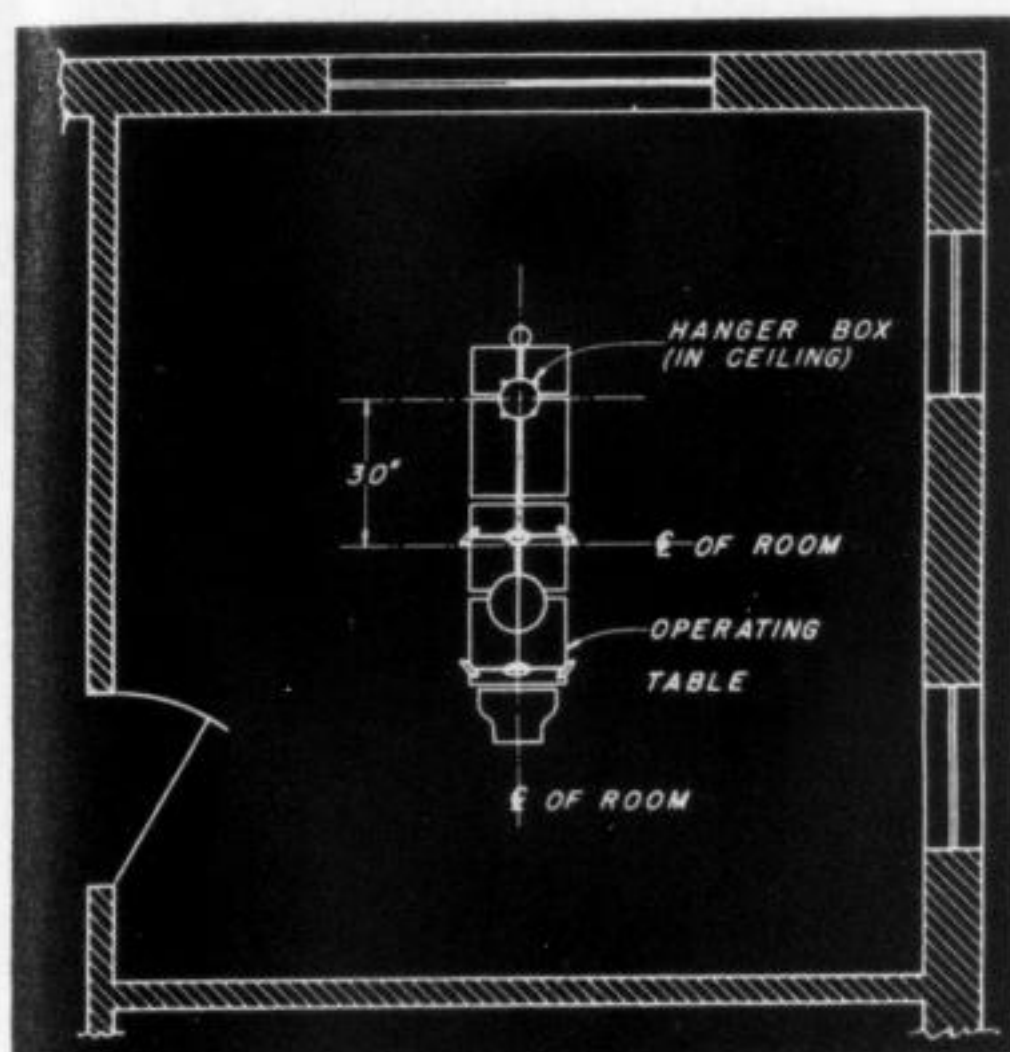
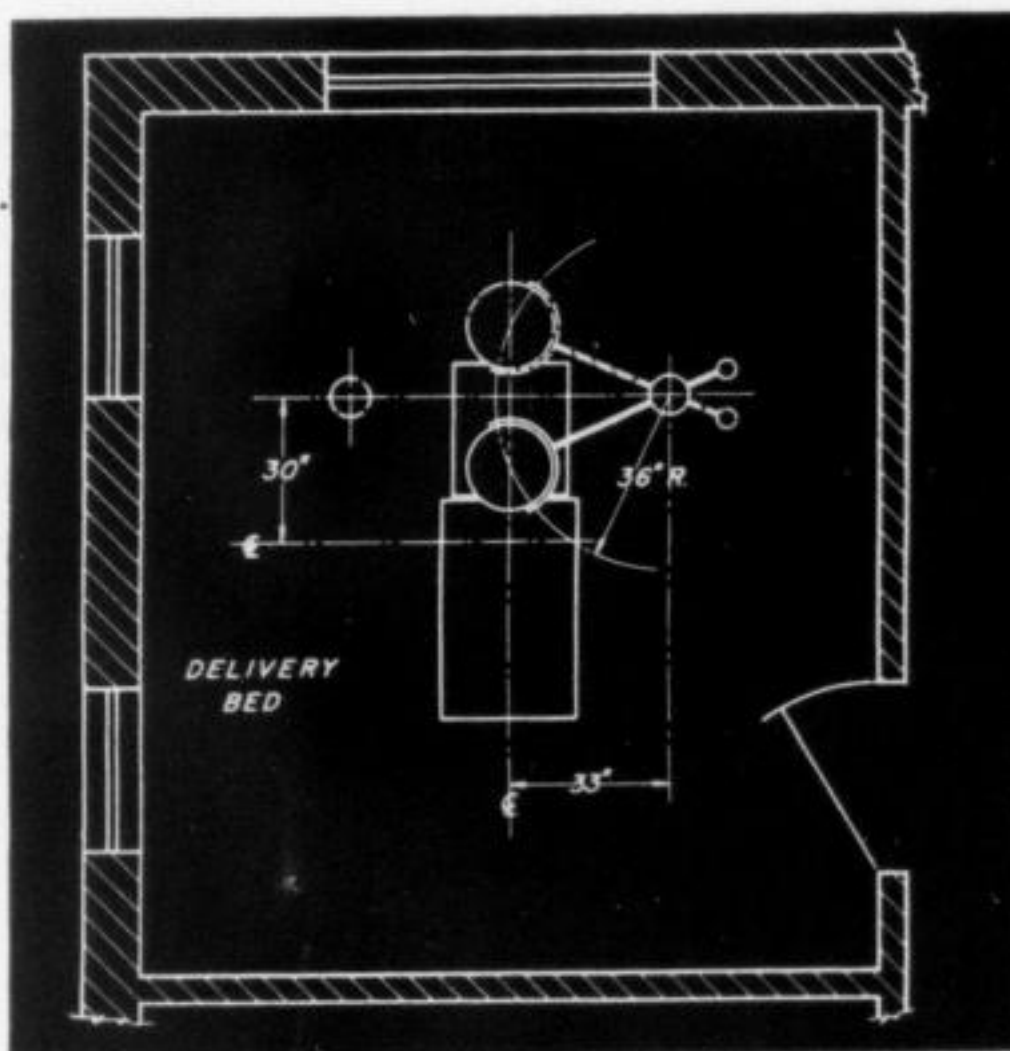
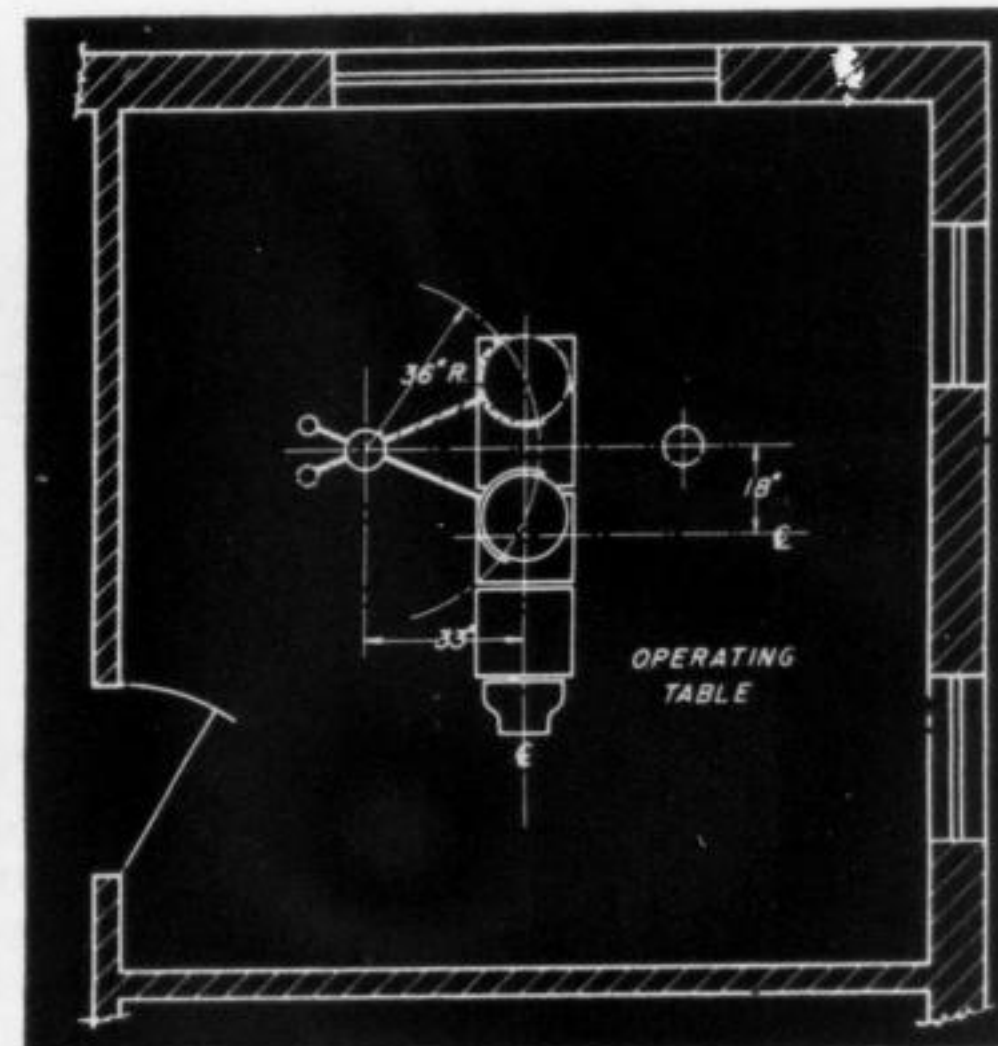


Fig. A—For maximum adjustment of the fixture the hanger box should be installed toward the foot end of Table along the center line.

TYPICAL LOCATION PLANS FOR INSTALLATION OF STANDARD SURG-O-RAY LIGHTS



Delivery Room Use



Operating Room Use

Fig. B—For maximum adjustment of the fixture, hanger box should be installed at side of table, near doorway. This permits projector to move lengthwise over a table, and position near door aids convenient control by circulating nurse.

MOUNTING DIAGRAM—EXPLOSION PROOF MODELS

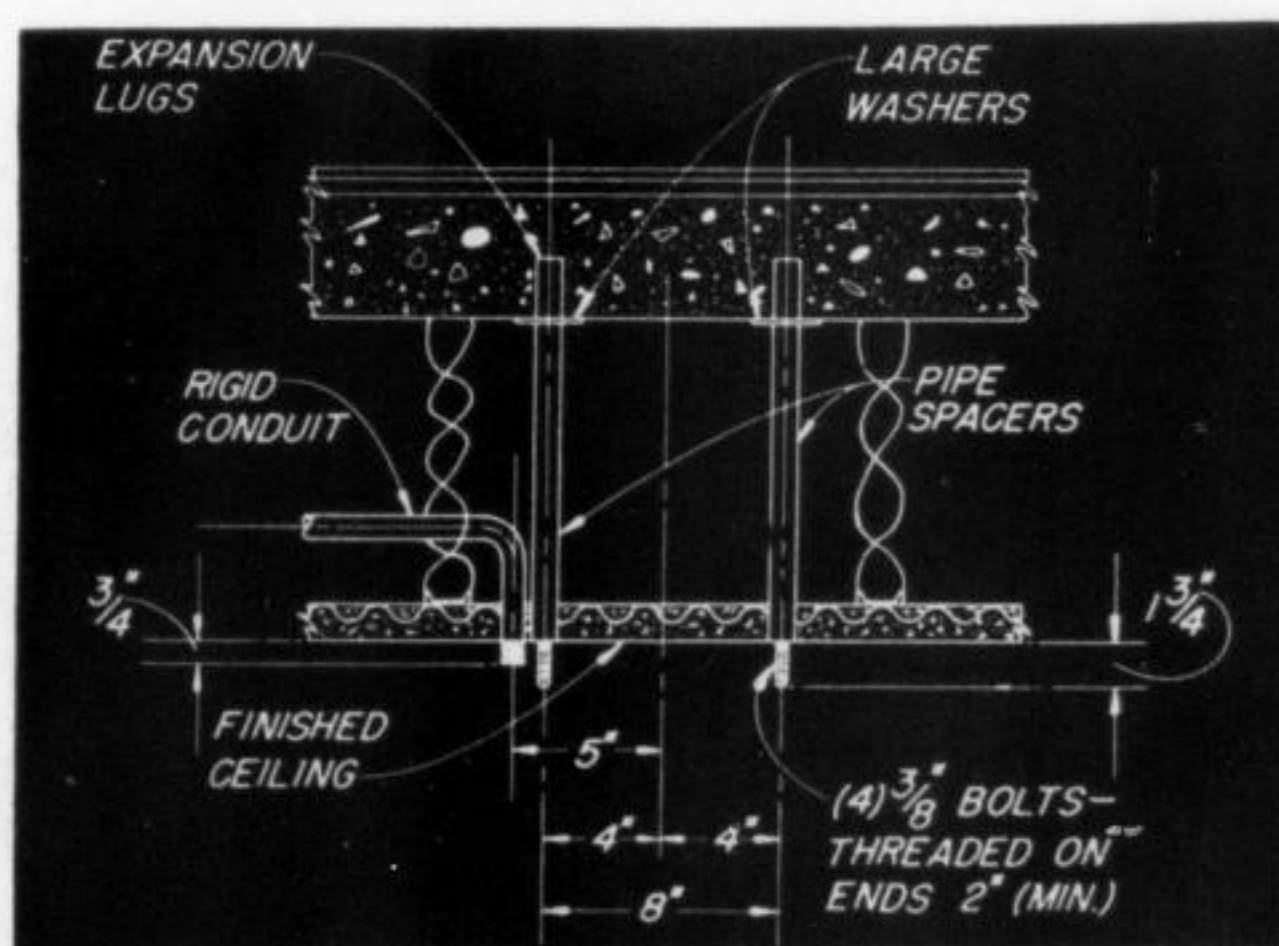


Fig. C—Fixture is suspended from four $\frac{3}{8}$ " diameter bolts anchored to ceiling. Bolts extend $1\frac{3}{4}$ " below line of finished ceiling and are located on four corners of an 8" square. Electric conduit projects $\frac{3}{4}$ " below ceiling line.

MOUNTING DIAGRAM—STANDARD MODELS

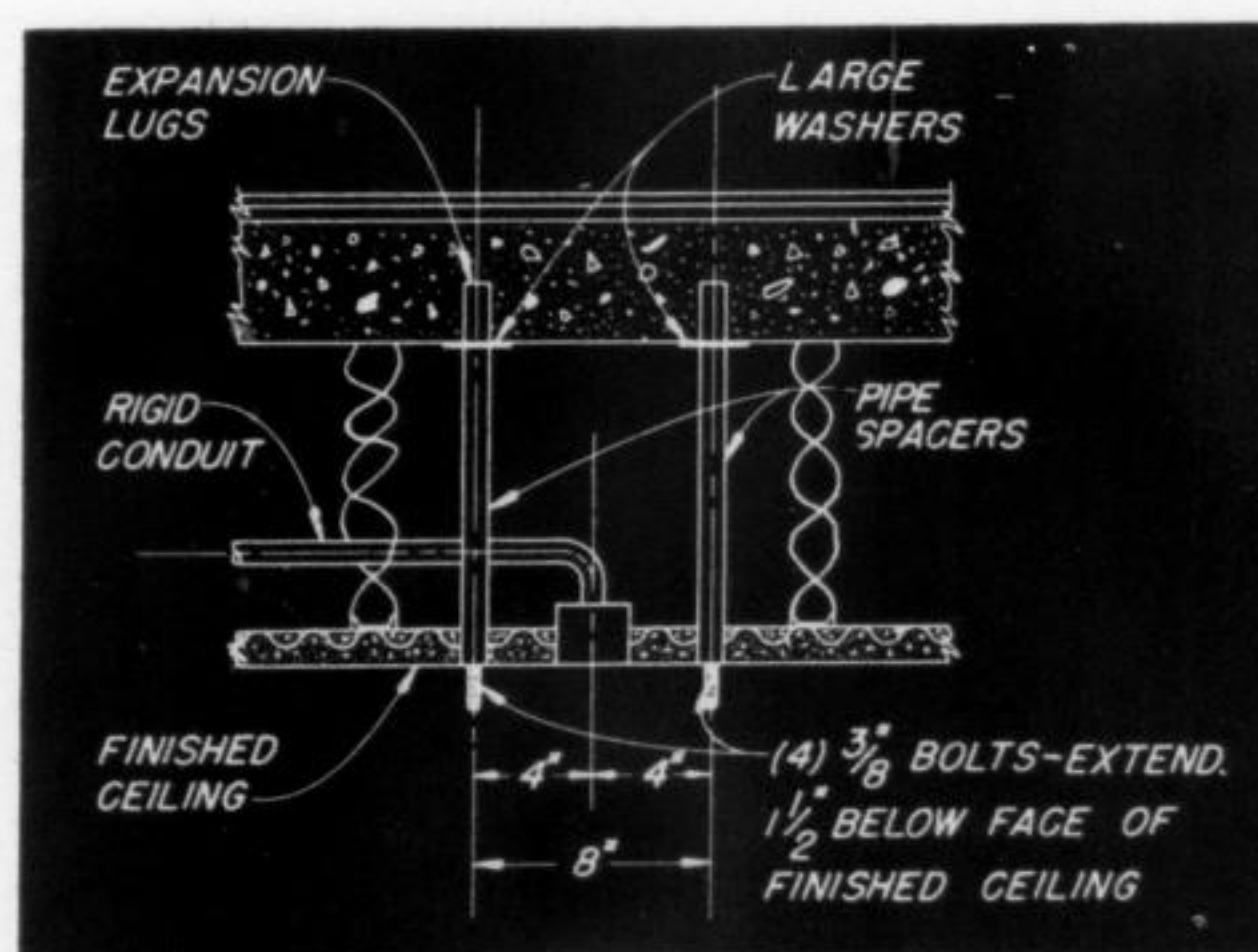


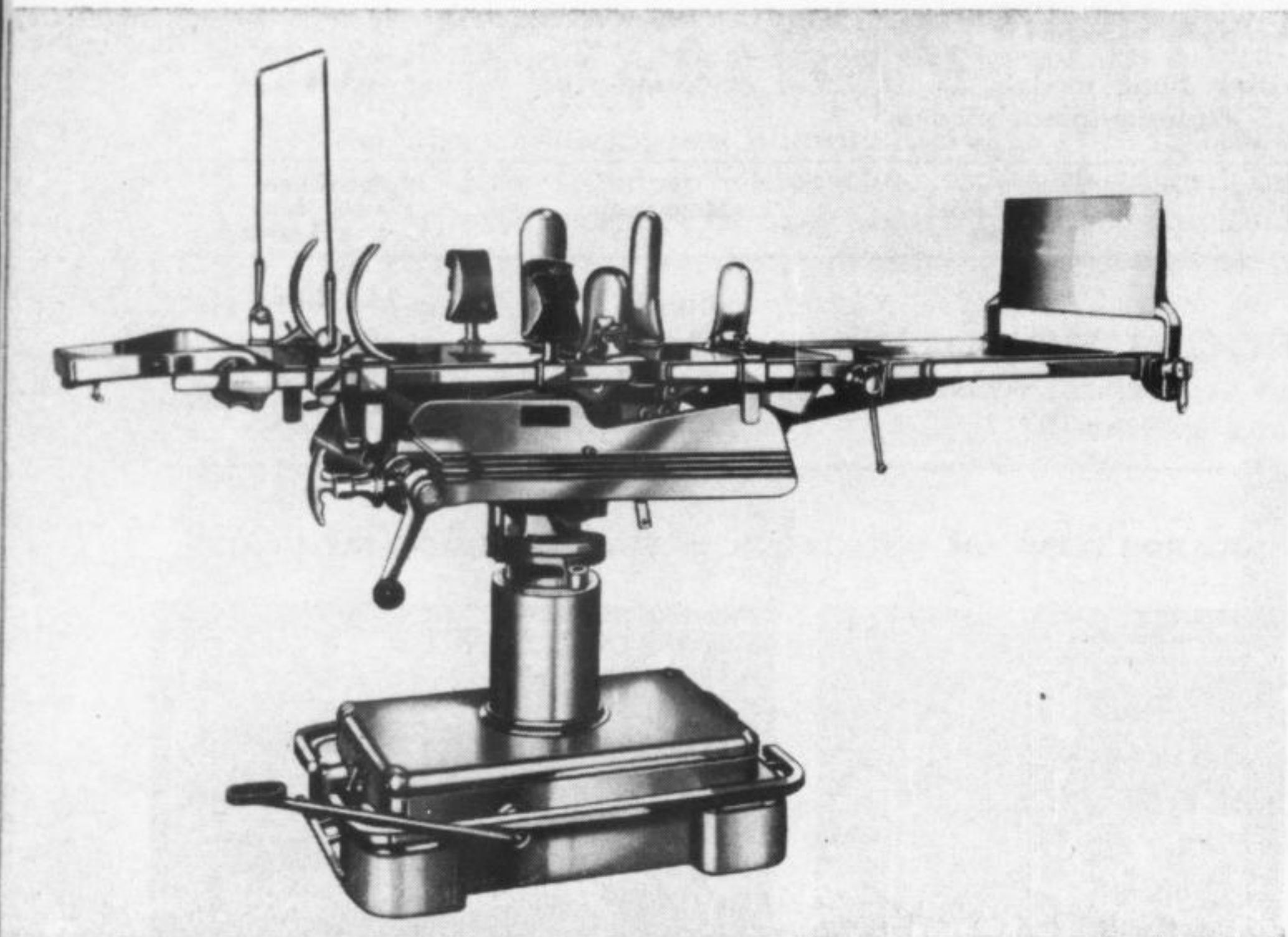
Fig. D—Fixture is suspended from four $\frac{3}{8}$ " diameter bolts anchored to ceiling and extending $1\frac{1}{2}$ " below line of finished ceiling. Bolts are located on four corners of an 8" square. Electric outlet box is located in center of 8" square.

Above are typical installations for suspended type ceilings. For installation in other types of ceiling construction, refer to Ohio Chemical Surgical Light Catalog, Form 1669. Wiring is furnished to hanger box at ceiling outlet. Switch and wiring to ceiling not furnished.





SCANLAN TABLES FOR EVERY PURPOSE



OHIO-SCANLAN A-7000 SELECTROL MAJOR OPERATING TABLE

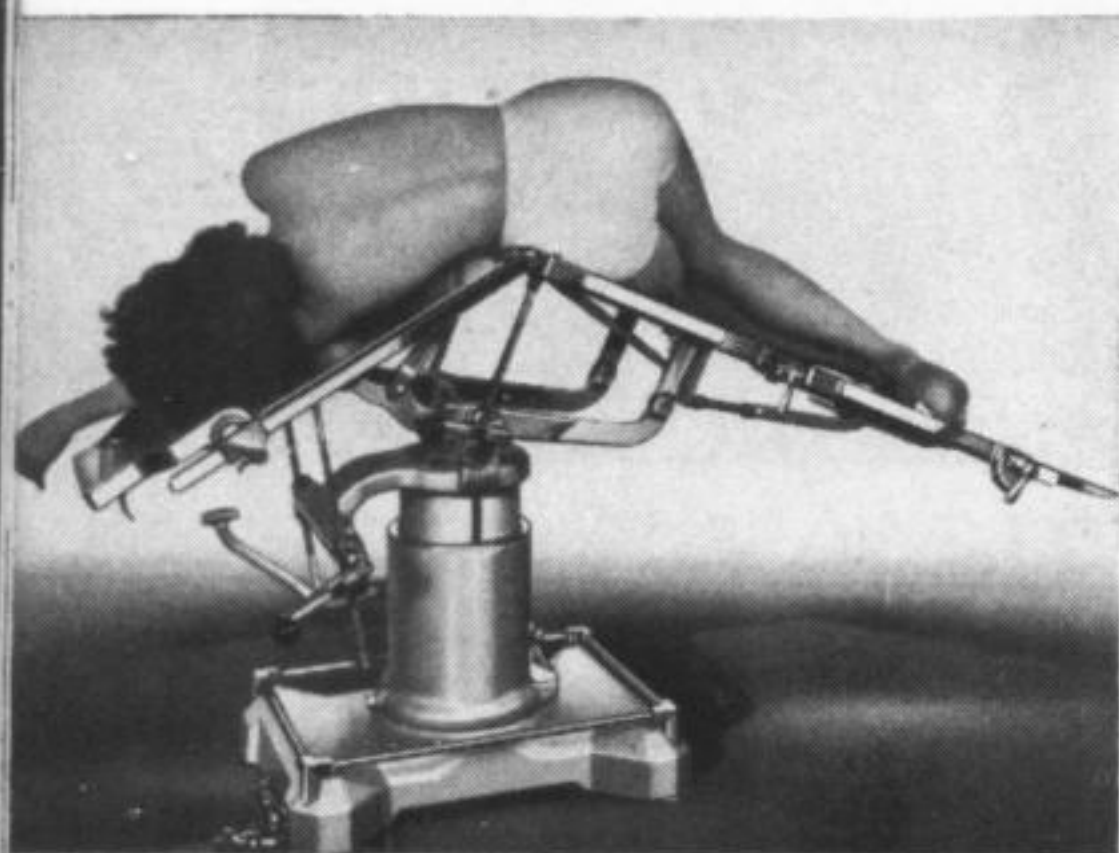
← Convenient "true" head-end control is concentrated in Ohio's exclusive "Selectrol Positioner". Just set the single, direct-reading handle for the position desired and turn the crank.

These settings determine the following positions: "Trendelenburg"—extreme Trendelenburg (up to 45°) or steep reverse Trendelenburg (up to 25°). "Lateral Tilt"—table top tilt as far as 15° to either side. "Body Break"—up to a 40° break between back and seat. "Back Section"—adjusts back and seat to secure a full chair.

The table top sections are cast of specially alloyed aluminum for strength and rigidity, and covered with heavy, sound-deadening stainless steel for lasting brightness and corrosion resistance. Oil lite bronze bearings are lubricated for the life of the table and are used at all hinge points.

Stainless steel covered base and chrome plated pedestal are easily wiped clean by a damp rag.

The A-7000 table is supplied complete with shoulder crutches, wristlets, body braces, stainless steel side rails, built-in kidney elevator, restraint strap, knee crutches, anesthetist screen frame with rail clamps, removable head-rest, removable foot piece, one chest horn and one leg horn. Write for catalog 2065-C.



Ohio Scanlan A-2003-B General Operating Table.

← The A2003-B General Operating Table is a sturdy, simplified, practical table designed to meet the demand for a medium priced all-purpose operating table. This table will serve excellently as a major operating table in the smaller hospitals, as a second table for routine

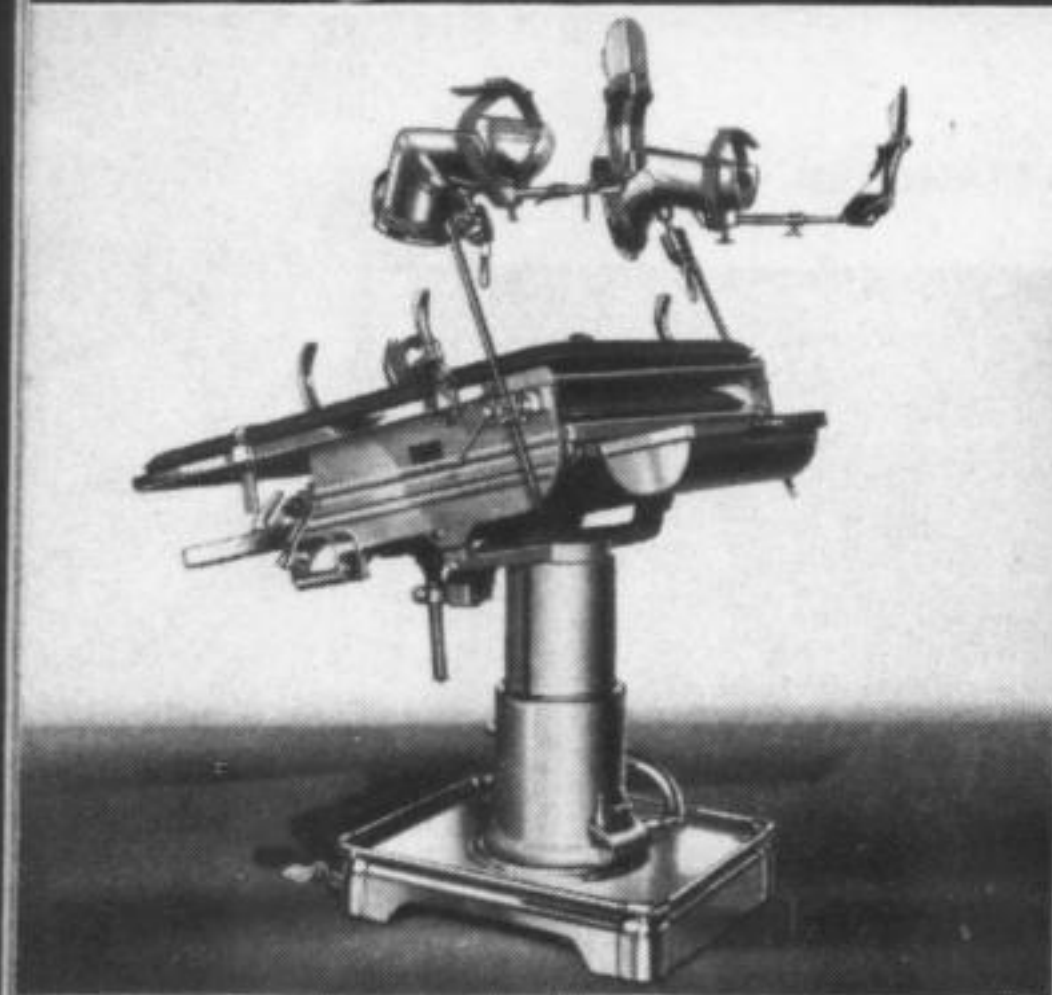
surgery in large hospitals. Standard accessories include; anesthetist's screen, one pair of adjustable shoulder crutches, one pair of adjustable Bierhoff knee crutches and one pair of buckskin-lined adjustable leather wristlets. Write for catalog 1737.

Scanlan-Morris A-1150B Obstetric Delivery and Operating Table.

↓ Strongly made, quickly and easily operated, the Scanlan-Morris A-1150B delivery bed gives all practical positions needed for delivery and

post delivery operative repair work.

Standard accessories with the A-1150B table include body mattress, traction straps with grip handles, soleplate assemblies, and removable knee crutches. Ask for form number 1672.



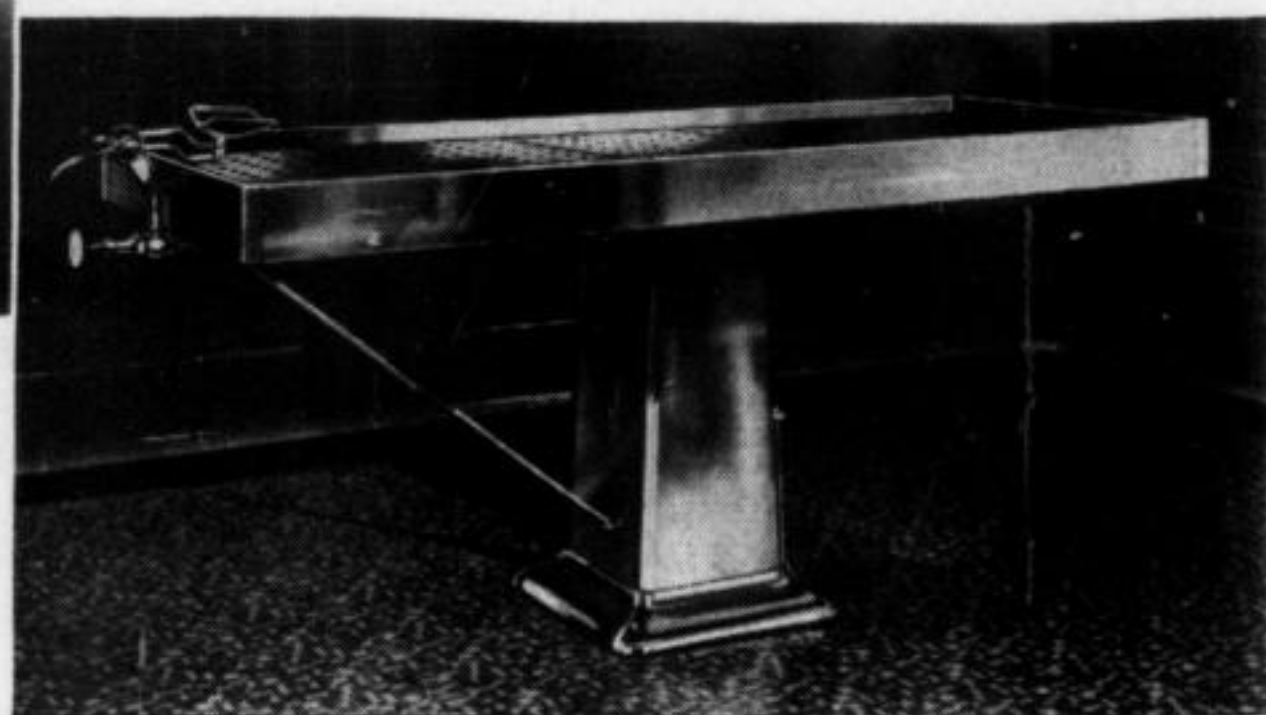
↑ Ohio-Scanlan A-2148-K Delivery and Obstetrical Operating Table. with Hydraulic Pedestal

Ideal position for delivery, post-delivery repair, and gynec operations can be obtained easily and quickly with the A-2148-K table. It combines the compactness and simplicity of a one-piece delivery table with the advantages of a two-piece table, and can be used as a labor bed, delivery and operating table. The table is equipped with adjustable shoulder crutches, grip handles with leather wristlets, and knee crutch and sole-plate assemblies. Both sections of the table top are equipped with comfortable sponge rubber covered pads. Write for catalog 1739.



Scanlan-Morris A-29 Autopsy Table.

↓ The table top and perforated, removable drainage sections are made of Monel. The chrome plated cast brass base is drilled 10½" between centers for bolting table to the floor. Stainless steel covering jacket on pedestal houses ¾" connection for water and 1½" waste line. Table furnished with removable drain with screen and S-trap for waste line. Overall length 76" and 30" wide. Table top 34½" from the floor. Write for catalog 2031.





SCANLAN TABLES FOR EVERY PURPOSE

Scanlan-Morris Sisk A31BE Urological X-Ray, Operating Examining and Treatment Table. →

The Scanlan-Morris Sisk offers the surgeon outstanding flexibility and convenience, for with a touch of his toe he can raise or lower the table top from 32" to 46½" above the floor.

The foot lever switch starts an electric motor which controls the height of the table hydraulically.

The 1/3 h.p. electric motor and switch only, are listed with the Underwriters' Laboratories for use in Class 1, Group C, Hazardous locations, such as operating rooms.

Provision is made for attaching Bucky diaphragm, so that it forms an integral part of the Sisk Table top for use in roentgenography. The patient's buttocks may be placed on the lower end of the Bucky so that the entire urinary tract comes within the diaphragm area and may be included in a single 14" x 17" film.

Standard equipment with the Sisk Urological X-Ray Table includes foot rest extension, back rest, knee crutches, drain pan, and tube stand. The specially designed LIEBEL-Flarsheim Bucky Diaphragm for this table may be secured through Ohio Chemical. Write for Catalog 2034.



A-32 Braasch-Bumpus Urological X-Ray Table.

The Braasch-Bumpus table provides valuable conveniences in cystoscopic examination, urological X-Ray work, examination and operation. The Bucky diaphragm is built into the body section of the table and forms an integral part of the table top.

Cystoscopic, Trendelenburg, reverse Trendelenburg, gynecic, rectal and horizontal positions, are easily obtainable with the Braasch-Bumpus table.

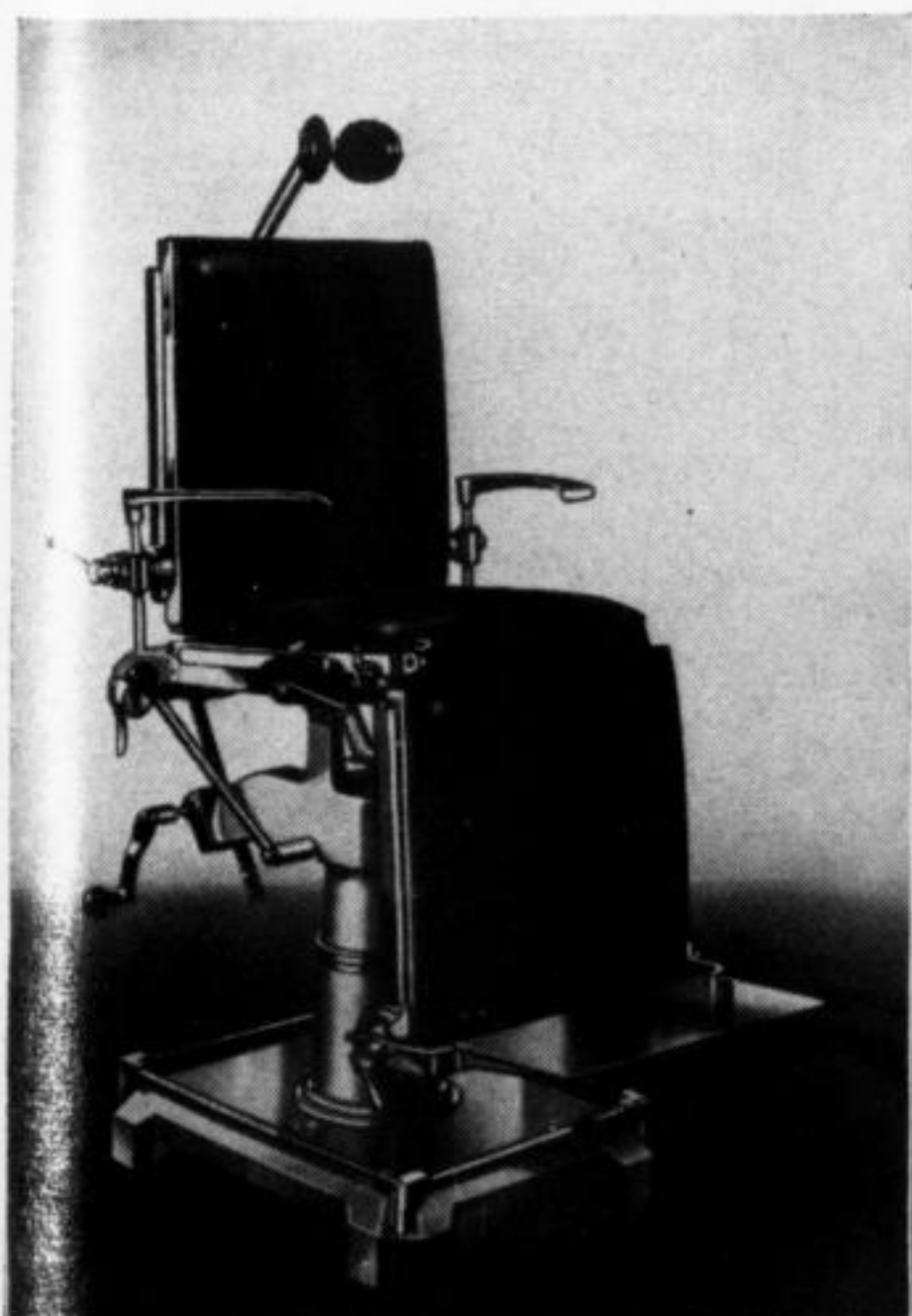
Adjustment of the seat section of the Braasch-Bumpus table is secured by a hand wheel at the foot end of the table, easily controlled by the operator or assistant during cystoscopy. Raising or lowering of the back and headrest sections of the table is accomplished by hand wheel at the head end of the table.

The A32 Table is equipped with cast aluminum knee crutches, sliding drain pan, hinged foot rest, detachable leg extension, and number 3436 LIEBEL-Flarsheim flat Bucky diaphragm with 30" focal distance. Ask for form number 1673 for complete description. →



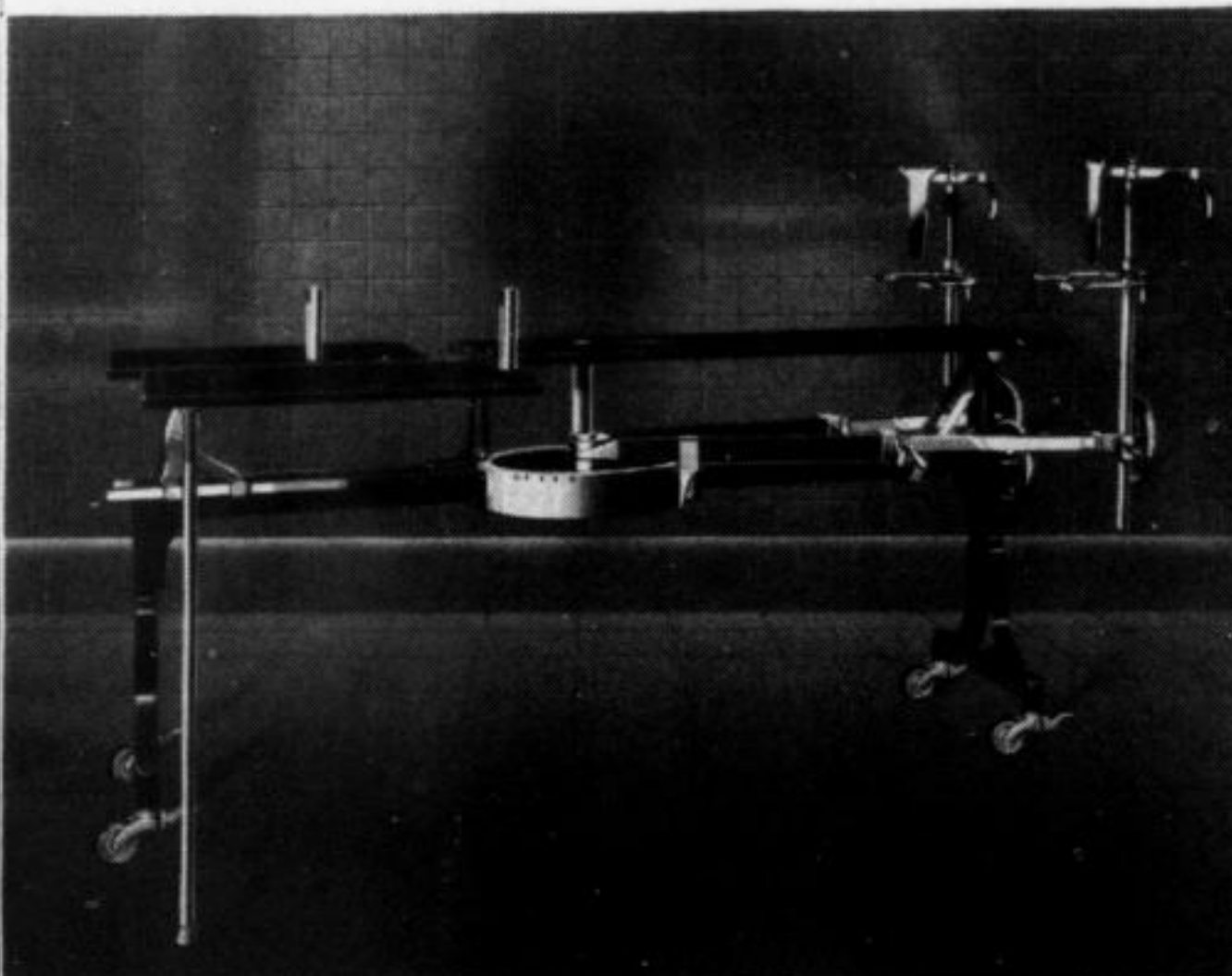
Scanlan-Morris A58B Nesbit Operating Table and Chair.

Provides all positions needed for eye, ear, nose and throat work as well as for general examination, treatment and operation. Quickly and easily adjusted. Write for catalog 2015.



Hawley-Scanlan A-2000 Fracture X-Ray and Orthopedic Table.

Includes important improvements in traction and mechanical control of leg and arm, with full provision for use of X-Ray in treatment of fractures. Write for catalog 2024-A.



↑ Ohio-Scanlan A3034B Buie Proctoscopic and Examining Table.

Well balanced and rigid, the Buie table provides proctoscopic, rectal, lithotomy and horizontal positions. Table top may be raised from 31" to 37" in height. Write for catalog 710-N.





SCANLAN TABLES FOR EVERY PURPOSE

Scanlan-Morris Sisk A31BE Urological X-Ray, Operating Examining and Treatment Table. →

The Scanlan-Morris Sisk offers the surgeon outstanding flexibility and convenience, for with a touch of his toe he can raise or lower the table top from 32" to 46½" above the floor.

The foot lever switch starts an electric motor which controls the height of the table hydraulically.

The 1/3 h.p. electric motor and switch only, are listed with the Underwriters' Laboratories for use in Class 1, Group C, Hazardous locations, such as operating rooms.

Provision is made for attaching Bucky diaphragm, so that it forms an integral part of the Sisk Table top for use in roentgenography. The patient's buttocks may be placed on the lower end of the Bucky so that the entire urinary tract comes within the diaphragm area and may be included in a single 14" x 17" film.

Standard equipment with the Sisk Urological X-Ray Table includes foot rest extension, back rest, knee crutches, drain pan, and tube stand. The specially designed LIEBEL-Flarsheim Bucky Diaphragm for this table may be secured through Ohio Chemical. Write for Catalog 2034.

A-32 Braasch-Bumpus Urological X-Ray Table.

The Braasch-Bumpus table provides valuable conveniences in cystoscopic examination, urological X-Ray work, examination and operation. The Bucky diaphragm is built into the body section of the table and forms an integral part of the table top.

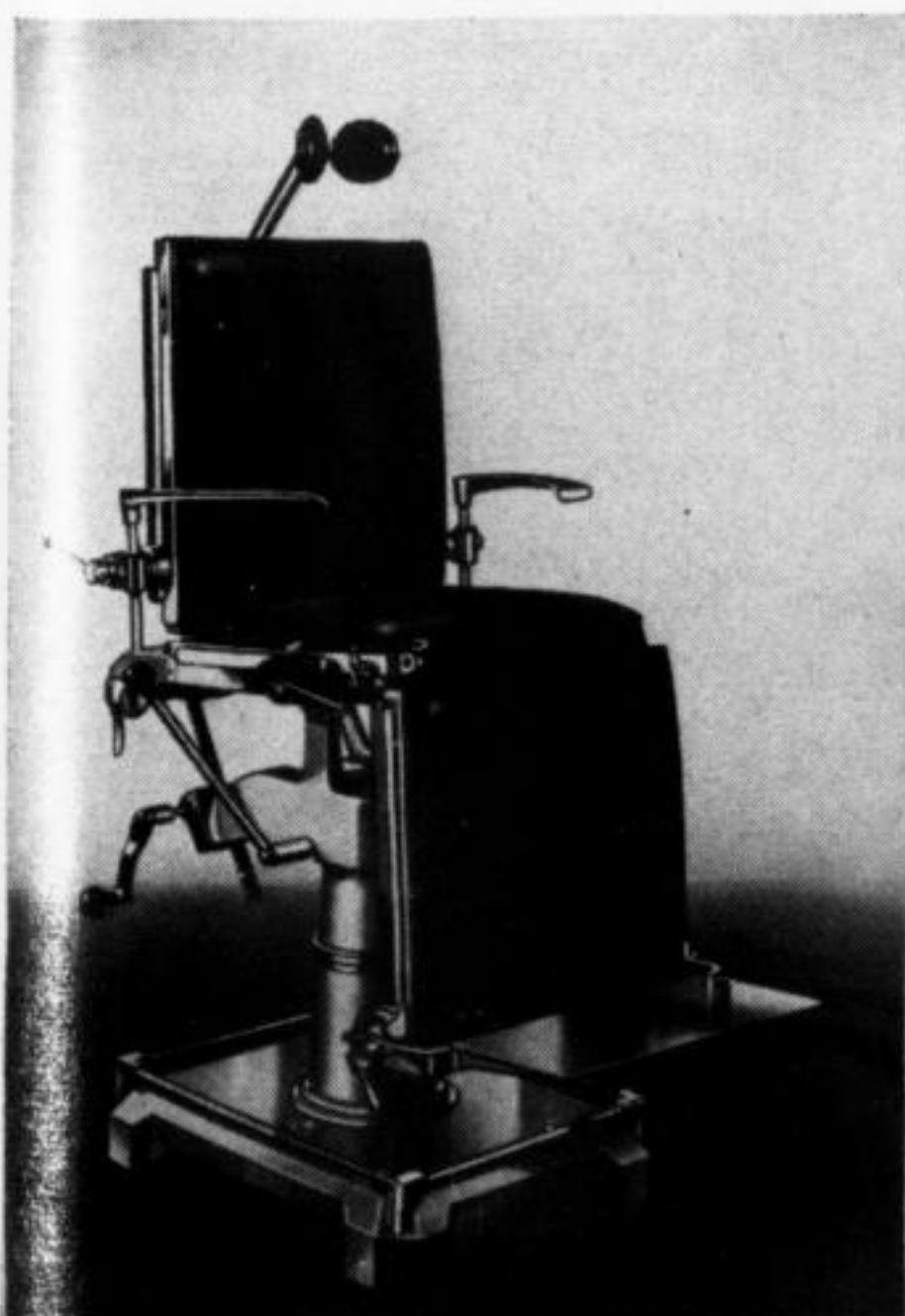
Cystoscopic, Trendelenburg, reverse Trendelenburg, gynecic, rectal and horizontal positions, are easily obtainable with the Braasch-Bumpus table.

Adjustment of the seat section of the Braasch-Bumpus table is secured by a hand wheel at the foot end of the table, easily controlled by the operator or assistant during cystoscopy. Raising or lowering of the back and headrest sections of the table is accomplished by hand wheel at the head end of the table.

The A32 Table is equipped with cast aluminum knee crutches, sliding drain pan, hinged foot rest, detachable leg extension, and number 3436 LIEBEL-Flarsheim flat Bucky diaphragm with 30" focal distance. Ask for form number 1673 for complete description. →

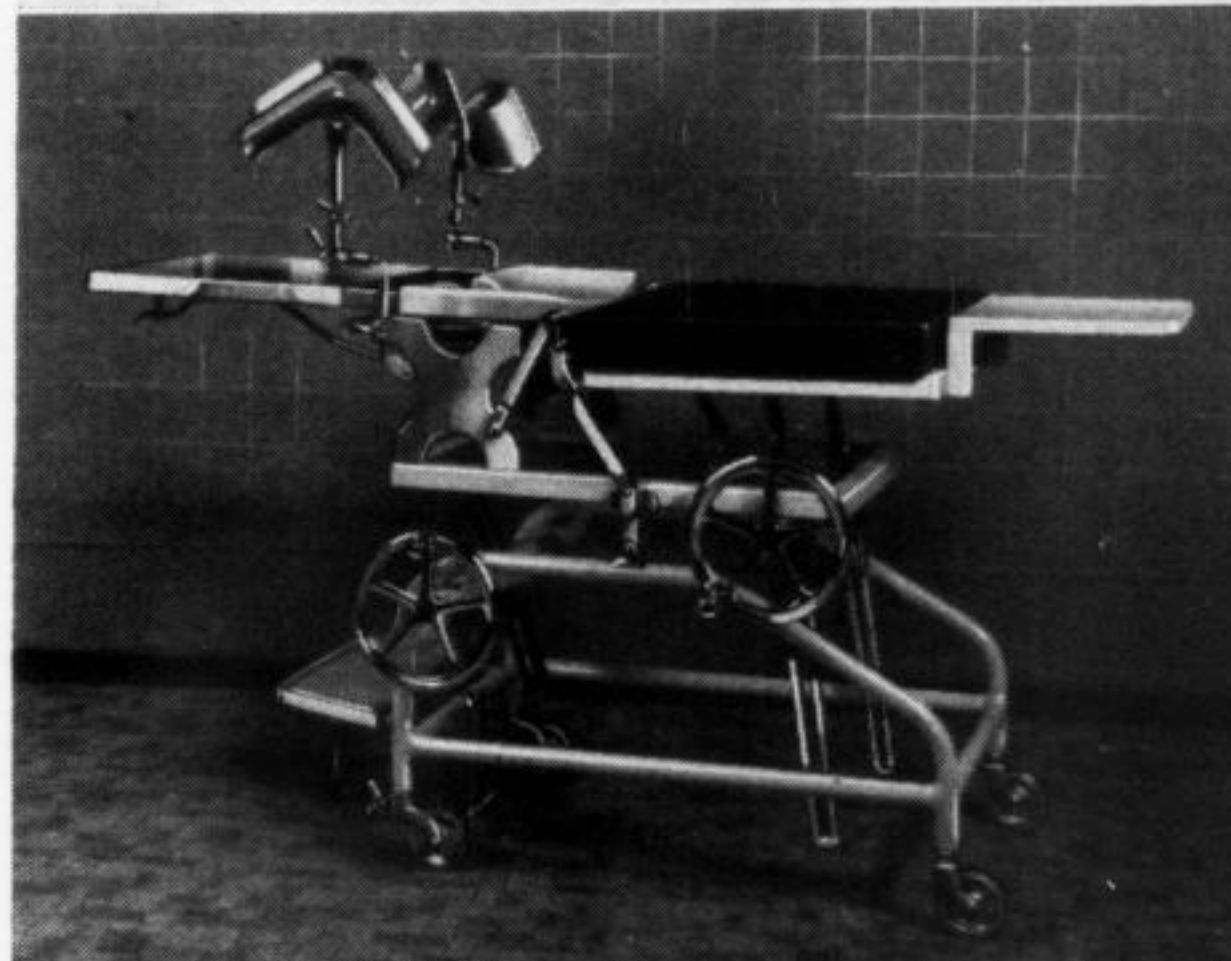
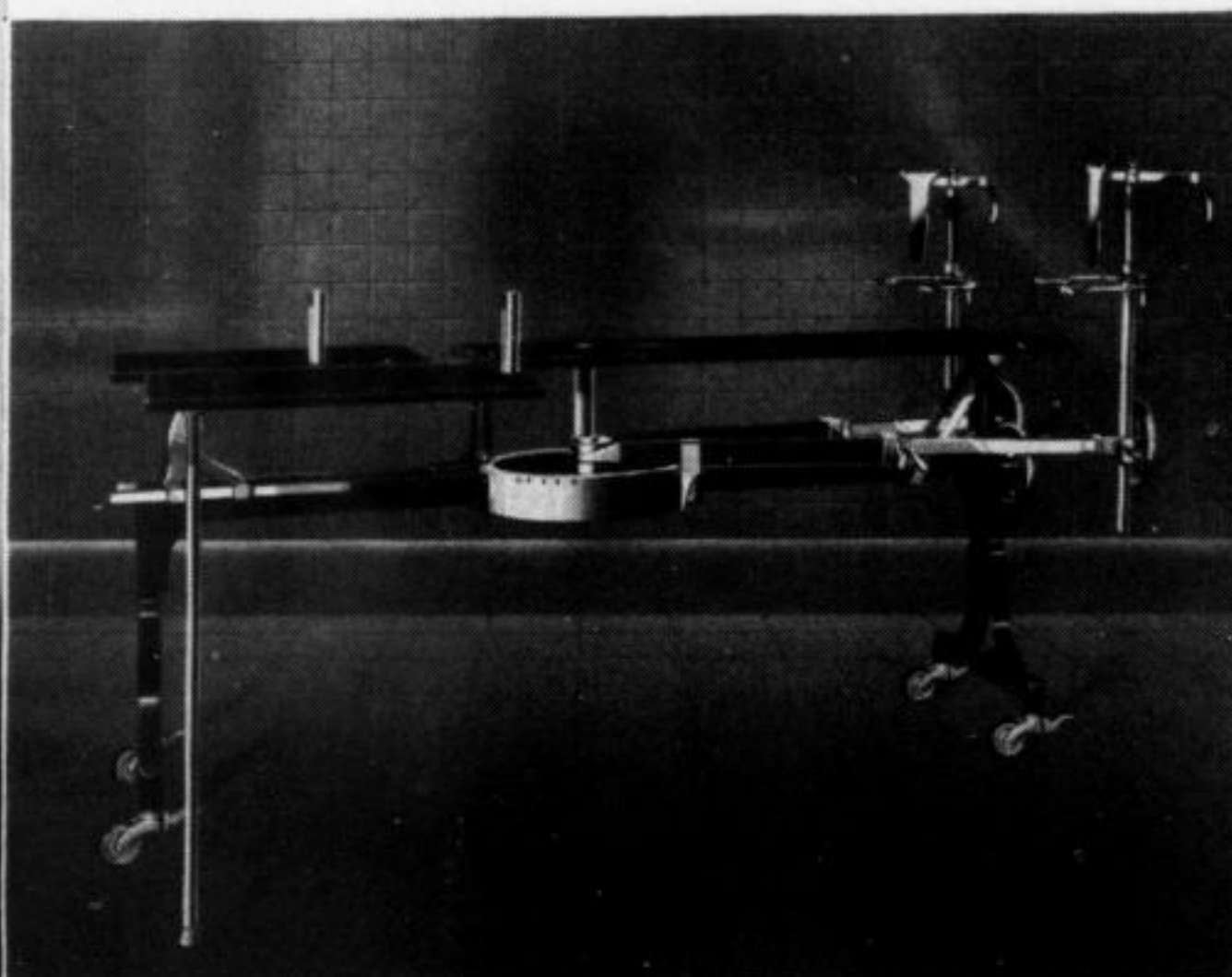
Scanlan-Morris A58B Nesbit Operating Table and Chair.

Provides all positions needed for eye, ear, nose and throat work as well as for general examination, treatment and operation. Quickly and easily adjusted. Write for catalog 2015.



Hawley-Scanlan A-2000 Fracture X-Ray and Orthopedic Table.

Includes important improvements in traction and mechanical control of leg and arm, with full provision for use of X-Ray in treatment of fractures. Write for catalog 2024-A.



↑ Ohio-Scanlan A3034B Buie Proctoscopic and Examining Table.

Well balanced and rigid, the Buie table provides proctoscopic, rectal, lithotomy and horizontal positions. Table top may be raised from 31" to 37" in height. Write for catalog 710-N.



OHIO SCANLAN SUTURES

Scanlan sutures are meticulously processed from carefully selected and tested materials,—surgical gut, silk, silkworm gut, nylon, etc., as required for the specific purpose intended. Sterilization is accomplished by high heat treatment, verified by complete bacteriological tests. Scanlan chromic sutures are prepared by application of our unique true-chrome-tanning process which guarantees dependable absorptive action in accordance with the specific need. Scanlan chromic sutures are made in three degrees of chromicizing,—mild, medium, and extra chromic, as specified by the United States Pharmacopeia. Tensile strength tests on Scanlan sutures are repeatedly applied throughout the entire manufacturing process to insure excellent strength of the finished product. Maximum flexibility of the strand is maintained by means of the moisture content of the tubing fluid which eliminates necessity for moistening sutures prior to use.

NEEDED SUTURES

To provide further convenience for the surgeon and his assistants Scanlan suture materials are equipped with suitable needles to form correct suturing units for various specific procedures. The needle used in each unit is shaped, pointed and sized to provide exactly the surgical convenience required for the procedure undertaken. The swaged-on (eyeless) type needle is particularly effective in reducing suture trauma to a minimum. The smooth level connection of suture and needle permits rapid travel of the suture through the tissues with least resistance and consequently least disturbance to the tissues—an important factor favorable to wound healing.

Complete information with prices, on Scanlan sutures with and without needles and on Scanlan Surgical eyed needles for general surgery, gastro-intestinal surgery, obstetrics and gynecology, goiter, eye, nerve and artery surgery, skin and plastic work is contained in illustrated schedule Form 2074. Write Ohio Chemical for your copy.



The 3-in-1 "Tri-Dermal" Steriljar

NOW—A new convenience for the hospital emergency room or doctor's office—the Scanlan "Three-in-one" Steriljar.

All the features of the popular, handy, Steriljar—plus the added advantage of three types of sutures in one jar. Sutures are positively maintained in individual compartments by means of molded rubber separator, conveniently marked as to contents. Ideal for use where smaller quantities of sutures are more practical.

The Scanlan "Tri-Dermal" Steriljar is available at present in three assortments as follows:

Catalog No. 8964 containing one dozen each of nylon sutures, sizes 5/0, 4/0, 3/0 swaged to a $\frac{3}{8}$ circle cutting needle for HEAVY skin closure.

Catalog No. 8965 containing one dozen each of nylon sutures, sizes 5/0, 4/0, 3/0 swaged to a $\frac{3}{8}$ circle cutting needle for LIGHT skin closure.

Catalog No. 8570 containing one dozen each of drawn silkworm gut sutures in sizes 5/0, 4/0, 3/0 swaged to a $\frac{3}{8}$ circle cutting needle for DELICATE skin closure.

CATALOG INFORMATION - SCANLAN SUTURES

Cat. No.	Applica- tion	Material	Lgth. in ex- cess of	Available Sizes	Needle
SURGICAL GUT SUTURES, Non-Boilable (without needles)					
SJ100	General surgery	Plain, type A	54"	5-0 4-0 3-0 00 0 1 2 3	No needle
SJ210	General surgery	Mild chromic type B	54"	4-0 3-0 00 0 1 2	
SJ220	General surgery	Medium chromic, type C	54"	5-0 4-0 3-0 00 0 1 2 3	
SJ240	General surgery	Extra Chromic, type D	54"	3-0 00 0 1 2 3	
SJ401	General surgery	Plain, type A	27"	3-0 00 0 1	No needle
SJ421	General surgery	Medium chromic, type C	27"	3-0 00 0 1	
SJ400	General surgery	Plain, type A	18"	4-0 3-0 00 0 1	No needle
SJ420	General surgery	Medium chromic, type C	18"	3-0 00 0 1	
SURGICAL GUT SUTURES, Non-Boilable (with needles)					
GASTRO-INTESTINAL:					
SJ120	Gastro-intestinal	Plain, type A	27"	00 0	Eyeless straight taper point
SJ160	Gastro-intestinal	Plain, type A	27"	00 0	Eyeless $\frac{3}{8}$ circle, taper point
*SJ175	Gastro-intestinal	Plain, type A	27"	00 0	Eyeless $\frac{1}{2}$ circle, taper point
SJ176	Gastro-intestinal	Plain, type A	27"	00 0	Eyeless small $\frac{1}{2}$ circle, taper point
SJ320	Gastro-intestinal	Medium chromic, type C	27"	4-0 3-0 00 0 1	Eyeless straight taper point
SJ350	Gastro-intestinal	Medium chromic, type C	36"	3-0 00 0	Two eyeless straight taper point

SJ indicates packed in Steriljar containing 3 dozen tubes except when marked * which indicates 2 dozen.

Also available in boxes of one dozen tubes when specified. (Be sure to specify catalog number and size when ordering.)

Cat. No.	Applica- tion	Material	Lgth. in ex- cess of	Available Sizes	Needle
SJ355	Gastro-intestinal	Medium chromic, type C	36"	3-0 00 0	One eyeless straight and one small $\frac{1}{2}$ circle, both taper point
SJ360	Gastro-intestinal	Medium chromic, type C	27"	3-0 00 0	Eyeless $\frac{3}{8}$ circle, taper point
*SJ375	Gastro-intestinal	Medium chromic, type C	27"	3-0 00 0 1	Eyeless $\frac{1}{2}$ circle, taper point
SJ376	Gastro-intestinal	Medium chromic, type C	27"	4-0 3-0 00 0 1	Eyeless small $\frac{1}{2}$ circle, taper point
LAPAROTOMY:					
280	Laparotomy	Plain, Type A	27"	0 1	Eyeless, large $\frac{1}{2}$ circle, taper point
*SJ281	Laparotomy	Plain, Type A	27"	0 1	Eyeless small $\frac{1}{2}$ circle, taper point
475	Laparotomy	Medium chromic, type C	27"	00 0 1	Eyeless, large $\frac{1}{2}$ circle cutting edge
*SJ476	Laparotomy	Medium chromic, type C	27"	3-0 00 0 1	Eyeless, small $\frac{1}{2}$ circle cutting edge
480	Laparotomy	Medium chromic, type C	27"	00 0 1	Eyeless, large $\frac{1}{2}$ circle taper point
*SJ481	Laparotomy	Medium chromic, type C	27"	3-0 00 0 1	Eyeless, small $\frac{1}{2}$ circle taper point
OBSTETRICAL:					
440	Obstetrical	Medium chromic, type C	27"	00 0 1 2	Threaded-on $\frac{3}{8}$ circle, cutting edge
442	Cervix	Medium chromic, type C	27"	000 00 0 1 2	Eyeless, $\frac{1}{2}$ circle, trocar point
444	Obstetrical	Medium chromic, type C	27"	000 00 0 1 2	Eyeless, $\frac{1}{2}$ circle, cutting edge
CIRCUMCISION:					
SJ500	Circumcision	Plain, type A	27"	3-0 00	Threaded-on small $\frac{3}{8}$ circle, cutting edge



SCANLAN SUTURES

Cat. No.	Applica-tion	Material	Lgth. in ex-cess of	Available Sizes	Needle
SJ501	Circum-cision	Plain, type A	27"	4-0 3-0 00-0	Eyeless, small $\frac{3}{8}$ circle, cutting edge

TONSIL:

SJ300	Tonsil	Plain, type A	27"	0	Eyeless $\frac{1}{2}$ circle, taper point
-------	--------	---------------	-----	---	---

GOITER:

310	Goiter	Plain, type A	27"	0	Eyeless, large $\frac{1}{2}$ circle, taper point
-----	--------	---------------	-----	---	--

EMERGENCY:

SJ510	Emer-gency	Plain, type A	18"	00 0	Threaded-on $\frac{1}{2}$ curved cutting edge
SJ511	Emer-gency	Plain, type A	18"	00 0	Threaded-on $\frac{3}{8}$ circle, cutting edge
SJ520	Emer-gency	Medium chromic, type C	18"	00 0 1	Threaded-on $\frac{1}{2}$ curved cutting edge
SJ521	Emer-gency	Medium chromic, type C	18"	00 0 1	Threaded-on $\frac{3}{8}$ circle, cutting edge

EYE:

SJ381	Eye	Plain, type A	18"	4-0	Eyeless, small $\frac{3}{8}$ circle, cutting edge
SJ385	Eye	Mild chromic, type B	18"	4-0	Eyeless, small $\frac{3}{8}$ circle, cutting edge
SJ386	Eye	Mild chromic, type B	12"	4-0	Two eyeless, small $\frac{3}{8}$ circle, cutting edge

KIDNEY PELVIS:

SJ380	Kidney pelvis	Mild chromic, type B	27"	00	Eyeless small $\frac{1}{2}$ circle, taper point
-------	---------------	----------------------	-----	----	---

NYLON, (Blue) Boilable (without needles)

SJ955	Skin	Nylon (Monofilament)	120"	3-0 00 0	No needle
SJ950	Skin	Nylon (Monofilament)	60"	3-0 00 0	No needle
SJ961	Skin	Nylon (Monofilament)	40"	5-0 4-0 3-0 00 0	No needle
SJ975	Skin and tension	Nylon (Monofilament)	60"	1 2 3	No needle

NYLON, (Blue) Boilable (with needles)

SJ964	Heavy skin closure	Nylon (Monofilament)	30"	5-0 4-0 3-0 00 0	Eyeless, small $\frac{3}{8}$ circle, cutting edge
SJ965	Light skin closure	Nylon (Monofilament)	30"	5-0 4-0 3-0 00 0	Eyeless, small $\frac{3}{8}$ circle, cutting edge
SJ966	Abdominal closure	Nylon (Monofilament)	30"	3-0 00 0	Eyeless, Keith, straight, triangular point
SJ962	Skin and cosmetic	Nylon (Monofilament)	20"	3-0 00	Threaded $\frac{3}{8}$ circle, cutting edge

SILK SUTURES, Boilable (without needles)

SJ675	General surgery	Black braided silk, type B (Non-capillary)	2-60"	4-0 3-0 00 0 1	No needle
-------	-----------------	--	-------	----------------	-----------

SILK SUTURES, Boilable (with needles)

SJ325	Gastro-intestinal	Black braided silk, type B (Non-capillary)	30"	4-0 3-0 00 0	Eyeless, straight, taper point
SJ328	Gastro-intestinal	Black braided silk, type B (Non-capillary)	30"	4-0 3-0 00 0	Eyeless small $\frac{1}{2}$ circle, taper point
SJ329	Abdominal closure	Black braided silk, type B (Non-capillary)	30"	3-0 00	Eyeless, Keith, straight triangular point

SJ indicates packed in Steriljar containing 3 dozen tubes.
Also available in boxes of one dozen tubes when specified. (Be sure to specify catalog number and size when ordering.)

Cat. No.	Applica-tion	Material	Lgth. in ex-cess of	Available Sizes	Needle
SJ330	Ortho-pedic	Black braided silk, type B (Non-capillary)	30"	3	Eyeless straight "flexo"
SJ390	Eye (corneal scleral)	Black braided silk, type B (Non-capillary)	24"	5-0	Eyeless $\frac{3}{8}$ circle, small cutting edge
SJ387	Eye	Black braided silk type B (Non-capillary)	18"	5-0	Eyeless small $\frac{3}{8}$ circle, cutting edge
SJ651	Emer-gency	White twisted silk type A (Capillary)	20"	0	Threaded $\frac{3}{8}$ circle cutting edge
SJ572	Skin, Cosmetic	White braided silk type B (Non-capillary)	12"	6-0	Eyeless small $\frac{1}{2}$ circle, taper point
SJ574	Skin, Cosmetic	Black braided silk type B (Non-capillary)	12"	3-0	Eyeless small $\frac{1}{2}$ circle, taper point
SJ660	Nerve and artery	White twisted silk type A (Capillary)	18"	6-0	Eyeless straight taper point
SJ661	Nerve and artery	White twisted silk type A (Capillary)	18"	6-0	Eyeless small $\frac{1}{2}$ circle taper point

DRAWN SILKWORM GUT SUTURES, Boilable (with needles)

SJ570	Cosmet-ic, skin	Drawn silkworm gut (dyed a bright blue)	14"	5-0 4-0	Eyeless small $\frac{3}{8}$ circle, cutting edge
SJ571	Cosmet-ic, skin	Drawn silkworm gut (dyed a bright blue)	14"	5-0	Eyeless small $\frac{1}{2}$ circle, taper point
SJ576	Cosmet-ic, skin	Drawn silkworm gut (dyed a bright blue)	14"	3-0	Eyeless small $\frac{1}{2}$ circle, cutting edge

COTTON SUTURES, Boilable (with needles)

SJ720	Gastro-intestinal	Cotton (White)	30"	4-0 3-0 00	Eyeless straight, taper point
SJ776	Gastro-intestinal	Cotton (White)	30"	3-0 00	Eyeless small $\frac{1}{2}$ circle, taper point

EMERGENCY PACKAGE

No. 535 Emergency Package consisting of twelve assorted needle sutures, as listed below.

511	Emer-gency	Two tubes each Plain surgical gut type A, non-boilable	18"	00	Threaded $\frac{3}{8}$ circle, cutting edge
511	Emer-gency	Plain surgical gut type A, non-boilable	18"	0	Threaded $\frac{3}{8}$ circle, cutting edge
521	Emer-gency	One tube each Medium chromic gut, type C, non-boilable	18"	1	Threaded $\frac{3}{8}$ circle, cutting edge
651	Emer-gency	White twisted silk, boilable, type A (Capil'y)	20"	0	Threaded $\frac{3}{8}$ circle, cutting edge
962	Emer-gency	Three tubes each Nylon monofilament	20"	3-0	Threaded $\frac{3}{8}$ circle, cutting edge
962	Emer-gency	Nylon monofilament	20"	00	Threaded $\frac{3}{8}$ circle, cutting edge

UNSTERILIZED SUTURE MATERIALS

Cat. No.	Material	Unit	Size
820	White silkworm gut	In hanks, 100 13-inch strands	Fine, Medium, Coarse 1X Coarse 2X Coarse 3X Coarse
875	Black Braided Silk Type B (Moisture and Serum proof)	25 yd. spool	6-0 5-0 4-0 3-0 00 0 1 2 3 4 5
877	Black Braided Silk Type B (Moisture and Serum proof)	100 yd. spool	6-0 5-0 4-0 3-0 00 0 1 2 3 4 5
878	Black Braided Nylon Type B (Moisture and Serum proof)	25 yd. spool	5-0 4-0 3-0 00 0 1 2 3 4 5
910	Surgical cotton (white)	On 100-yard spools	5-0 4-0 3-0 00 0 1 2
930	Nylon, monofilament, blue	Box of ten 190" coils	4-0 3-0 00 0 1 2 3





HEIDBRINK ANESTHESIA APPARATUS

Ohio Chemical Heidbrink Kinet-O-Meters are available in cart and stand models for 2, 3, 4 and 5 gases, in cabinet models for 3, 4 and 5 gases and in cart cabinet models for 3 and 4 gases.

All gas flow to the patient is controlled entirely by flowmeters, conveniently located for manipulation and observation. The head of the machine may be raised or lowered through a range of $17\frac{1}{2}''$ —a great advantage when the operating table is used at extreme angles.

To preclude errors in proper hook-up, regulators, flowmeters, and tubing for each gas are indicated by label and color, in conformance with the standard colors adopted for medical

gases. Automatic check valves permit replacement of empty cylinders on all small cylinder units, without interrupting anesthesia. Every feature of the Kinet-O-Meter is designed to enhance the skill of the anesthesiologist.

KINET-O-METERS FOR CYCLOPROPANE

Since cyclopropane is compressed in cylinders to less than 100 pounds pressure, it requires no automatic regulator. Therefore, all machines equipped for cyclopropane have one flowmeter more than there are regulators. Kinet-O-Meters so equipped have a built-in yoke for the cyclopropane cylinder which is thus directly connected to the cyclopropane flowmeter.

KINET-O-METER CABINET OUTFITS FOR 3, 4, or 5 GASES

Heidbrink Cabinet Outfits combine in a single mobile unit the facilities of the Kinet-O-Meter with those of a spacious cabinet and an anesthetist's table. Cabinet encloses entire anesthesia apparatus except flowmeters and cylinder yokes. Flowmeters are mounted on top of the cabinet and are clearly visible to the operator, with the valves conveniently located. Absorber and ether vaporizer are adjustable in height within range of $17\frac{1}{2}''$. The 5-Gas Cabinet Outfit No. 550 (illustrated) has 1 yoke cyclopropane, 2 yokes ethylene, 2 yokes nitrous oxide, 1 yoke carbon dioxide, 2 yokes oxygen, absorber and ether vaporizer. Finish: chromium plated except cabinet body which is silver green enamel. Top is stainless steel.

HEIDBRINK STAND KINET-O-METERS FOR 2, 3, 4, or 5 GASES

Heidbrink Stand Model Kinet-O-Meters are designed to use all small size cylinders up to and including the "E" size. Flowmeters are mounted so that they are always visible for observation and manipulation of gas flows.

The 410A Stand Model, illustrated, for Ethylene, Nitrous Oxide, Oxygen and Carbon Dioxide comes complete with No. 8 ether vaporizer, No. 9B absorber, respiratory tubing, bag, inhaler retainer, face inhaler with medium adult and small adult size bodies, finished in chrome plate except the stand which is aluminum-bronze.

HEIDBRINK CART KINET-O-METERS FOR 2, 3, 4, or 5 GASES

The 4 gas cart Kinet-O-Meter (Model 400-A illustrated) is identical to the 4 gas stand, except that it is designed for the use of large cylinders of Oxygen, Nitrous Oxide and Ethylene and a small cylinder of Carbon Dioxide.

HEIDBRINK MIDGET

The Heidbrink Midget (Model 655 illustrated with stand) 6-gas, 3-flowmeter, 6-yoke anesthesia machine can be used as a portable apparatus or as permanent equipment in the hospital. It is designed to use all small cylinders up to and including the "E" size.

As it is a portable machine no stand is furnished, since cylinders support apparatus, although the socket for mounting to any Heidbrink single upright stand is incorporated into the machine. Stand, if desired, may be ordered separately.

Available with #50 circle type absorber and #8 ether vaporizer, or #40 or #30 to-and-fro absorber with #6 ether vaporizer.

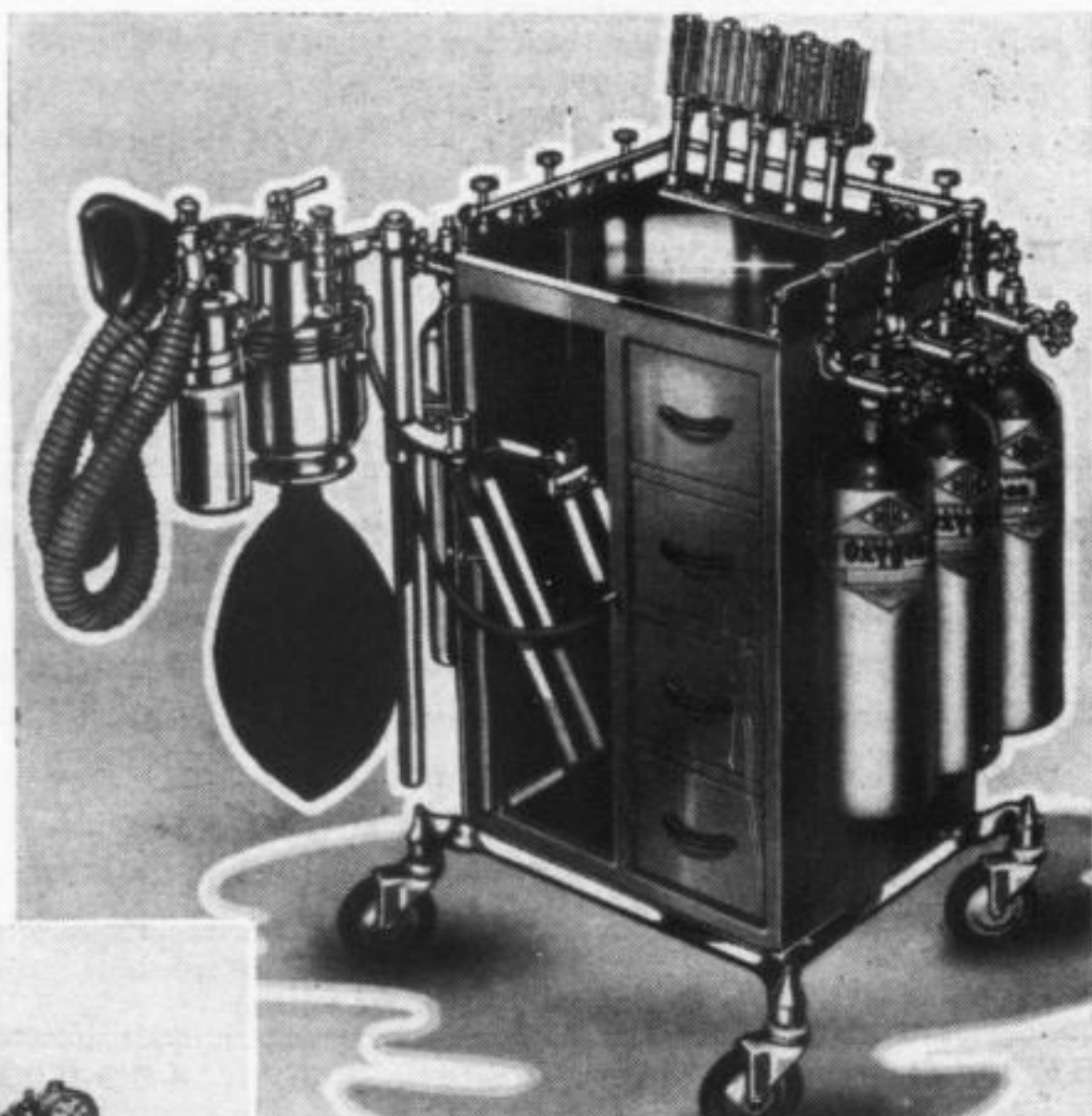
JUNIOR OUTFITS

The Heidbrink Junior is a compact, efficient and moderately priced apparatus for administering nitrous oxide or ethylene with oxygen and ether.

It is available in both standard and portable models designed for use in physicians' offices, clinics and obstetrical or emergency departments of hospitals.

Outfit No. 531 for nitrous oxide-oxygen-ether (illustrated); No. 533 same as 531 except for ethylene-oxygen-ether; both outfits also available with obstetrical automat for self-administration of analgesia. Portable Outfit No. 502 for nitrous oxide-oxygen-ether. Equipped with obstetrical automat. Available with carrying case (extra). Weight with case: 35 lbs.

For more details on the extensive line of Ohio Chemical Anesthesia Apparatus, parts and accessories, write for catalog 2073.



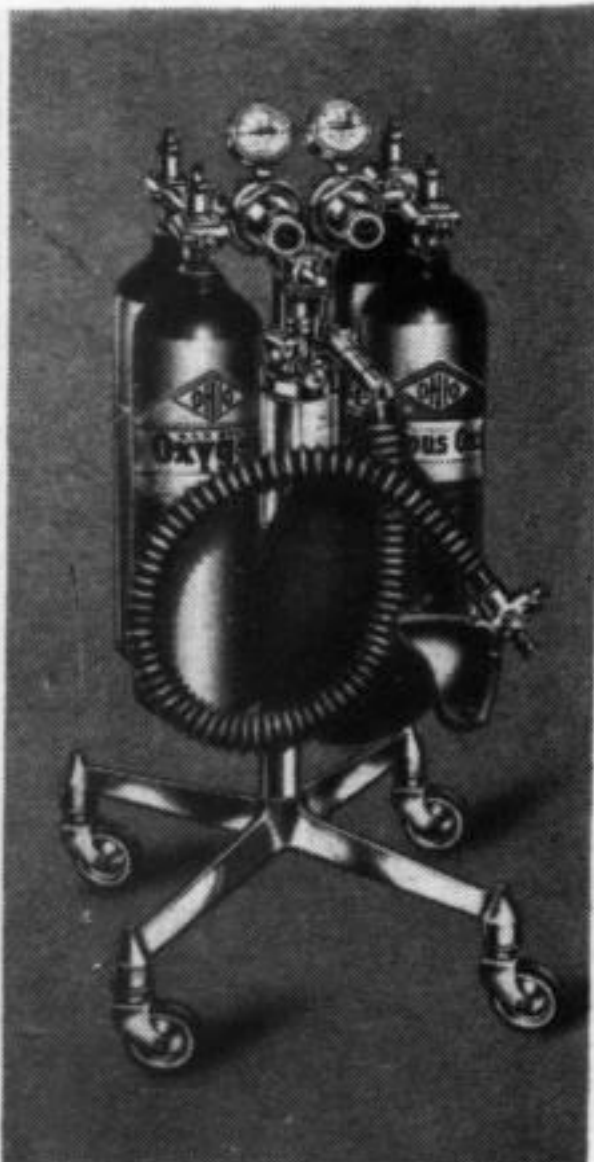
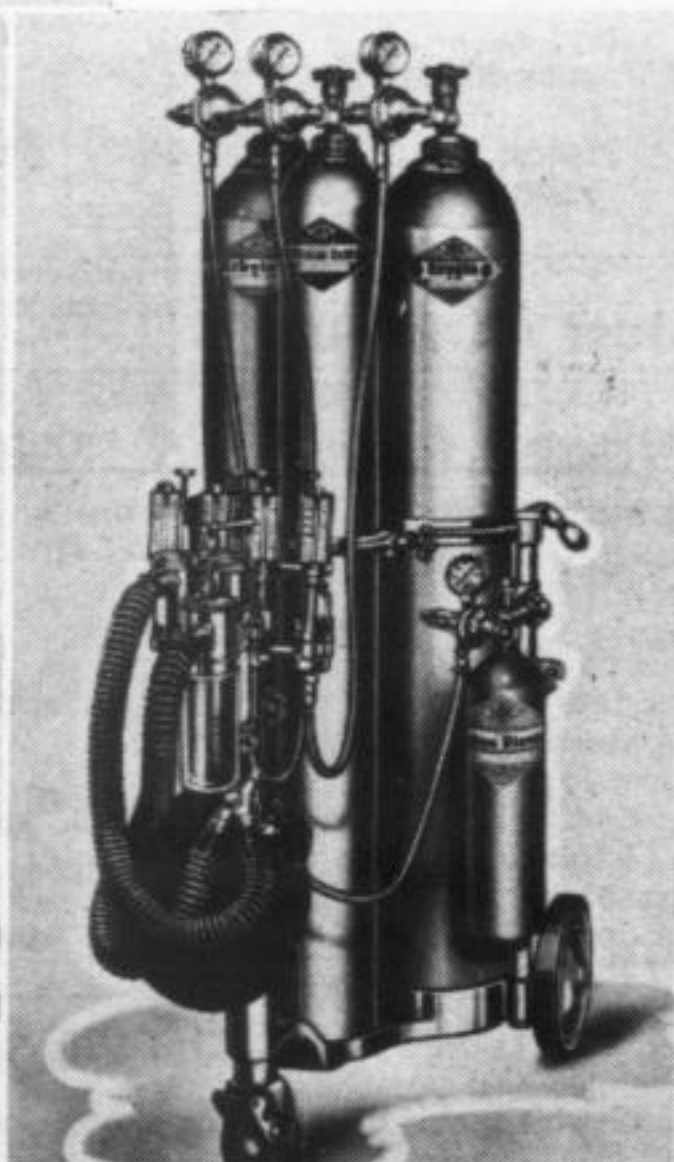
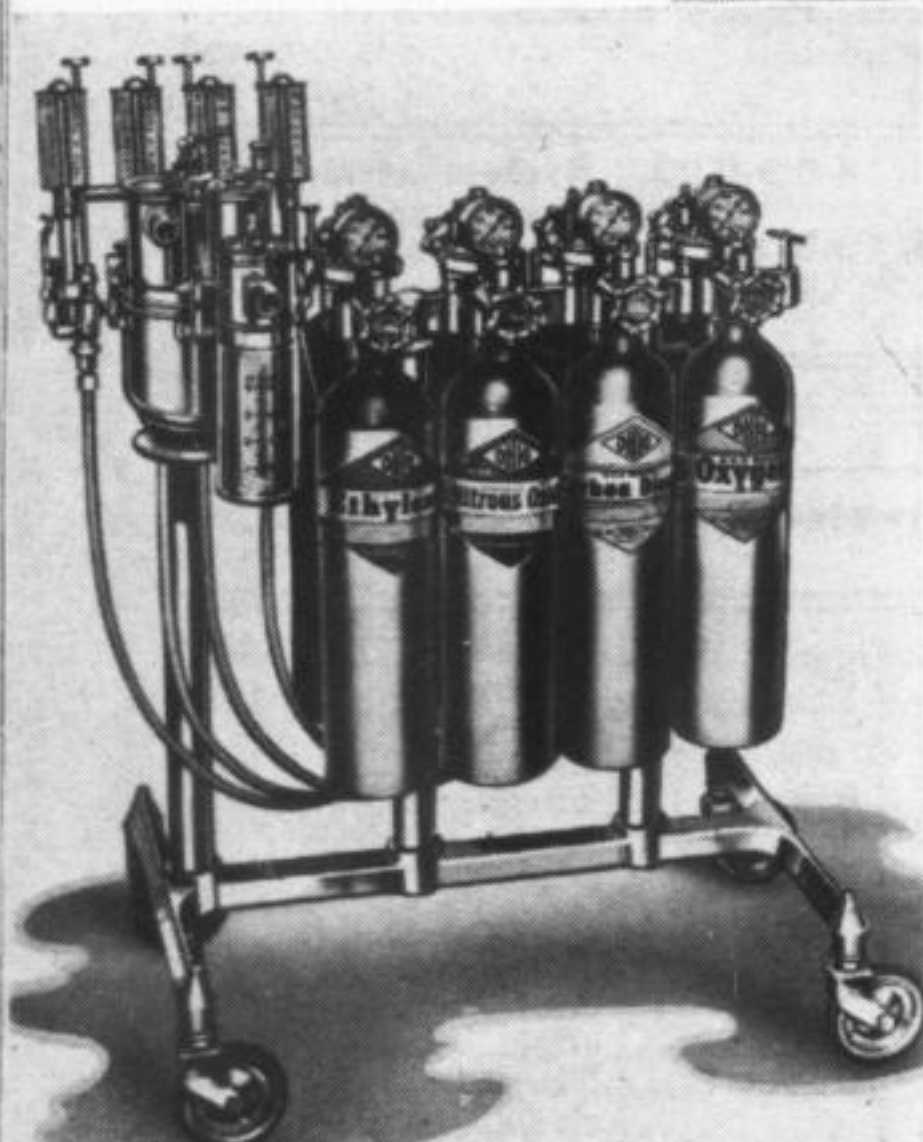
Heidbrink Cabinet Kinet-O-Meter, 5-Gas Model No. 550 (above).

(Left) Heidbrink Kinet-O-Meter 4-Gas Stand Model No. 410A, Respiratory Tubings, Bag and Inhaler not shown but illustrated on No. 400A.

4-Gas Cart Heidbrink Kinet-O-Meter, Model No. 400A (below, center).

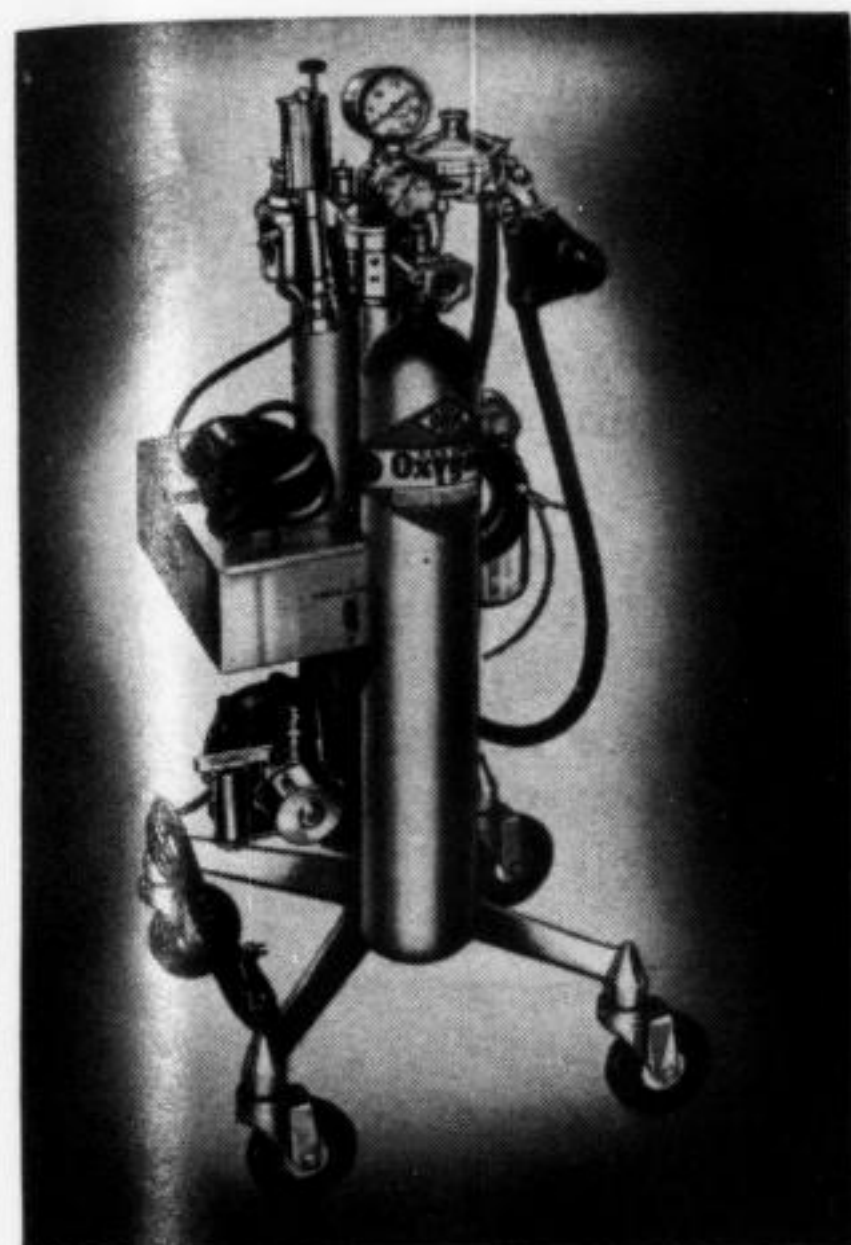
Heidbrink Junior Standard Model No. 531 (below, right).

Heidbrink Midget Kinet-O-Meter, Model No. 655, shown mounted on No. 2 Take-Apart Stand with Aluminum Base (below, left).

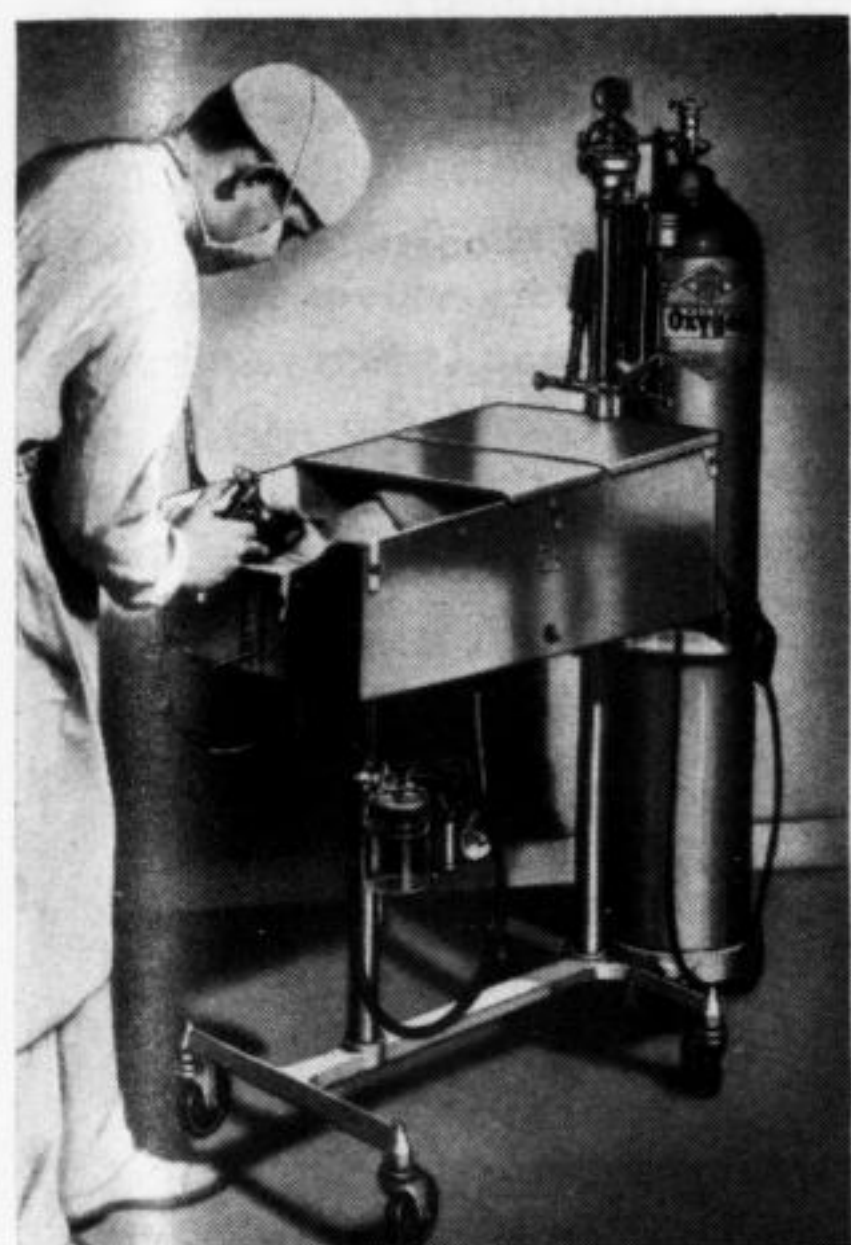




KREISELMAN RESUSCITATORS



↑ Standard Ohio Kreiselman Resuscitator Model 52A.



↑ Infant Bassinet Ohio Kreiselman Resuscitator Model 21AT.



↑ Ohio Kreiselman Bellows Resuscitator, Model 115.

Designed by Joseph Kreiselman, M.D., Ohio-Kreiselman Resuscitators employ the positive pressure method for resuscitation. The administration of oxygen is controlled manually, so that there is no danger of the patient's having to "fight" an automatic cycle as breathing resumes.

STANDARD MODELS

The principal components of these resuscitators are an operative head with an automat and an aneroid pressure gauge calibrated in millimeters of mercury, flowmeter, two-stage regulator, 3000-pound cylinder pressure gauge, and optionally, an electrically-operated or bulb-operated aspirator, or no aspirator at all. Model 61 Series Resuscitators, for large cylinders, are mounted on substantial wheeled carts. Model 52 Series Resuscitators, for small cylinders (illustrated) or for use on piped oxygen systems, are mounted on stands with casters.

STANDARD MODELS INCLUDE:

Stand Model 52A, (305-0051U), with electric aspirator.
Stand Model 52B, (305-0052U), with bulb aspirator.
Stand Model 52, (305-0050U), without aspirator.
Stand Model 52AP, (305-0054U), for piped oxygen with electric aspirator.
Stand Model 52BP, (305-0055U), for piped oxygen with bulb aspirator.
Stand Model 52P, (305-0053U), for piped oxygen without aspirator.
Cart Model 61A, (305-0061U), with electric aspirator.
Cart Model 61B, (305-0062U), with hand bulb aspirator.
Cart Model 61, (305-0060U), without aspirator.

INFANT BASSINET AND STAND MODELS

The Kreiselman Heated Bassinet Resuscitator provides all needed functions for infant resuscitative procedure—Trendelenburg positions, controlled heat, suction for aspiration, resuscitation and oxygen inhalation by mask. As in the standard models, the positive pressure resuscitative method is used. A water manometer with a safety valve indicates and positively limits pressure.

Principal components of Model 21AT, shown, are an operative head with automat, water manometer, and flowmeter, two-stage regulator; a thermostatically controlled, electrically warmed bassinet; a perforated, adjustable platform; mattress; electrically operated aspirator; resuscitation and inhalation masks; infant size catheter adapter and intratracheal catheter; trailer platform and binding strap for large cylinders.

The models 21A, 21B, 14A, 14B, and 14 for small cylinders of oxygen are also available for use on piped oxygen systems.

INFANT MODELS INCLUDE

Model 21AT, (305-0021 U), for large oxygen cylinder, with electric aspirator.
Model 21BT, (305-0023 U), same as 21AT, but with hand bulb aspirator.
Model 21A, (305-0020 U), same as 21AT, except for small cylinders.
Model 21B, (305-0022 U), same as 21A except with hand bulb aspirator.
Model 21AP, (305-0025 U), for piped oxygen with electric aspirator.
Model 21BP, (305-0026 U), for piped oxygen with bulb aspirator.
Model 14A, (305-0011 U), resuscitator only, without bassinet. Includes operative head with automat, water manometer and flowmeter; first and second-stage regulators; electrically operated aspirator; tool box; infant size resuscitation and inhalation masks; infant size catheter and catheter adapter tubings, handwheel wrench; mounted on stand with casters.

Model 14B, (305-0012 U), same as 14A, except hand-bulb aspirator.

Model 14, (305-0010 U) same as 14A, except no aspirator.

Model 14AP, (305-0014 U), for piped oxygen with electric aspirator.

Model 14BP, (305-0015 U), for piped oxygen with bulb aspirator.

Model 14P, (305-0013 U), for piped oxygen without aspirator.

The Kreiselman Model 115 Bellows-Type Resuscitator is a hand operated, compact, portable device that may be used with either air or oxygen.

The Resuscitator can be used effectively regardless of the position of the patient, as long as his face can be reached for application of the inhaler. Use of the Resuscitator may be more effective than compression of the lower rib cage, and it can be used even where there are chest or back injuries. The valves in the Resuscitator are so devised that gases from the lungs are expired directly to the outside air, avoiding contamination of fresh air in the bellows.

For more detailed information on the Ohio-Kreiselman line of Resuscitators, write for catalog 1548.





OXYGEN THERAPY APPARATUS



Ohio Model 90 Electric Oxygen Tent.



↑ B-L-B Nasal Mask.



↑ B-L-B Oronasal Mask.



↑ B-L-B Tracheotomy Mask.



← Ohio-Heidbrink Model 15 Humidifier for Cylinder Mounting.

→ Heidbrink Model O Therapy Unit with B-L-B Mask.

- ONLY OHIO GIVES YOU COMPLETE 4-WAY OXYGEN THERAPY SERVICE**
- 1 OHIO SUPPLIES THE PUREST OF OXYGEN, as well as other medical gases, in safe, clean inspected cylinders.
 - 2 OHIO MANUFACTURES MODERN OXYGEN THERAPY EQUIPMENT, precision made to meet every oxygen therapy need.
 - 3 OHIO PLANS PIPELINES for central oxygen supply. Ohio's engineers will draw blueprints for a complete central oxygen piping system for your individual needs. (See following page)
 - 4 OHIO SERVICES OHIO-MADE EQUIPMENT. Ohio's large staff of expertly trained servicemen will check your equipment to keep it in top condition for peak efficiency.
- Ohio Chemical offers its complete oxygen therapy service as the most comprehensive available. Take advantage of this exclusive 4-way oxygen therapy service. Call your Ohio representative and let him tell you more about Ohio service.

THE OHIO 90 ELECTRIC OXYGEN TENT

Draftless, high ventilation air conditioning

This noteworthy tent maintains a constant high volume of conditioned air — capable of 40° of cooling — without the slightest draft to cause patient discomfort or bring complaints about stiff necks or shoulders. Temperature is held within one degree by automatic controls.

Continuous operation of the tent uses a current consumption of 520 watts per hour under normal load. When not in operation, it can be stored in a 2-foot-square space. Mounted on rubber-tired, ball-bearing, swivel casters, it can be moved and set up by a single person. (Illustrated)

Obtainable for use with individual cylinders of oxygen or for connection to piped oxygen systems.

OHIO-HEIDBRINK BLB INHALATION MASKS

BLB oxygen therapy masks are available in three styles, nasal, oronasal and tracheotomy. (Illustrated) Nasal and oronasal masks are available in both large and small sizes, thus permitting a more exacting fit.

BLB masks are made of pure latex rubber to withstand hard usage with very low maintenance

cost. Ingeniously constructed sponge rubber discs act as inspiratory and expiratory valves to permit easy entrance of air for a diluent (when required), during the inhalation phase, and the exit of air high in carbon dioxide during the exhalation phase of the breathing cycle.

THE OHIO K-S DISPOSABLE OXYGEN MASK

The Ohio K-S Disposable Oxygen Mask provides a new approach to oxygen therapy. Worn by only one patient, the mask is discarded after use, or replaced with a new one in cases where prolonged periods of therapy are required.

The entire mask, made of a transparent plastic, weighs no more than a handkerchief. The rebreathing bag is adequate for ease of respiration yet correctly designed for maximum oxygen economy.

Packed for convenience in boxes of 50; requires no more storage space than a box of paper napkins.



OHIO-HEIDBRINK BLB INHALATION APPARATUS

The Heidbrink Model M Therapy Unit with nasal mask, is used with two "H" style cylinders, one containing a mixture of 80% helium and 20% oxygen, and the other, containing pure oxygen. The Model O Therapy Unit (illustrated) with BLB mask is used with a single "H" style cylinder of either pure oxygen, or 80% helium and 20% oxygen. Both M and O units are especially designed to be used in conjunction with the BLB masks. Both units come complete with regulators, flowmeters, tubing and mask.

THE OHIO-HEIDBRINK HUMIDIFIER

Relative humidity, from 60% to 75% throughout the range of 3 to 15 liters per minute gas flow, is obtainable with the Ohio Heidbrink Humidifier. This high humidity, heretofore unobtainable over the complete range of gas flow, is made possible by using the jet atomization principle to create a fog of gas and water, then bubbling this partially humidified gas through several inches of water to further increase the water content.

Safety features of the humidifier are: specially designed displacement chamber which adjusts water content to the proper level — even if the jar is filled to the brim —, an internal baffle system that prevents water droplets from being carried over into the catheter supply tubing, and an automatic safety valve that prevents pressure build up above that required for the range of gas flow. These features permit a greater water reservoir capacity without the use of bigger bulky containers — up to 48 hours of continuous operation at a flow of 4 liters per minute.

Other Ohio Oxygen Therapy Apparatus includes: Ohio Bedside Emergency Oxygen Units, Ohio Portable Oxygen Therapy Unit, Heidbrink Postoperative Treatment Apparatus, Ohio Aerosol Unit. Write us for catalog 2066 containing more details on the Ohio line of apparatus for Oxygen Therapy.

Ohio Chemical

OHIO CHEMICAL & SURGICAL EQUIPMENT CO.

A Division of Air Reduction Company, Incorporated
Madison, Wisconsin, U.S.A.

CENTRAL OXYGEN SUPPLY OHIO PLANNED AND ENGINEERED



Hospitals are using more oxygen every year. Doctors are now prescribing oxygen for a lengthening list of pulmonary, cardiac, and post-operative conditions, and many others as well.

Central piping solves the growing problem of every hospital, providing a workable answer to this greatly increased demand for therapy oxygen. A central piping system makes oxygen instantly available in any quantity, in any piped part of the hospital. Delays and distribution troubles disappear. With central piping, low-pressure oxygen is ready for use at every outlet.

Central piping is more convenient. Carting cylinders from room to room is no longer necessary . . . no noise, no delay.

Central piping is more economical. A central supply unit delivers more oxygen than a like number of individual cylinders because cylinders on a manifold are exhausted more uniformly.

Central piping is more aseptic. All servicing of the system takes place outside the rooms, enabling the hospital to maintain stricter aseptic standards.

After a thorough study of the needs of your hospital, Ohio's engineers will draw up suggested piping plans based on Compressed Gas Association specifications and the recommendations of the National Fire Protection Association.

An Ohio-planned system will provide sufficient capacity for your present and probable future oxygen needs. It can be expanded and extended to other points at a later time, should the need arise.

The oxygen central supply source is an Ohio "Airco" manifold located in the basement or in an adjoining building of the hospital. Two banks of cylinders are connected through a series of valves and regulators which permits one bank to supply the system and then automatically switch over to the reserve bank when the first is exhausted. Empty cylinders can be replaced without interrupting the supply of oxygen to the patients.

The "Airco" manifold can be supplied in a single row of 4, 6, 8, 10 or more cylinders mounted on wall brackets or floor stands. The capacity can easily be doubled by adding the proper units to the opposite side of the header, making it a double row manifold. It can also be increased to meet the



Oxygen tank installation on Central Piping manifold.

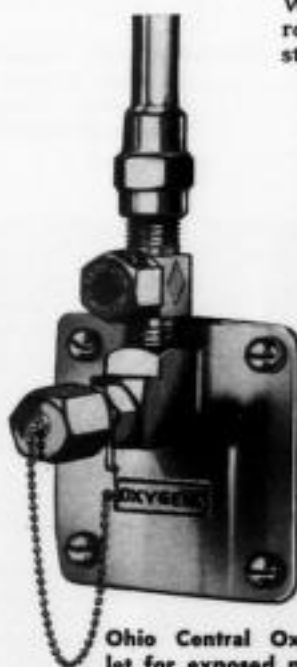
expanding requirements of the hospital by simply adding extension units to each end.

Some standard manifolds (showing roughing in dimensions) include:

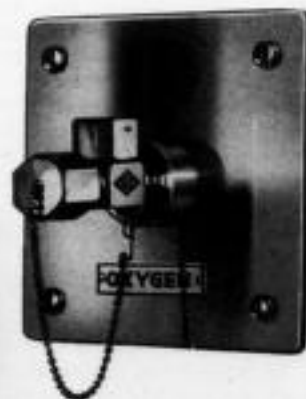
STANDARD MANIFOLDS

Single Row			Double Row		
Capacity	Length	Width	Capacity	Length	Width
4 cyl.	5'-0"	x 2'-2"	8 cyl.	5'-0"	x 3'-0"
6 cyl.	6'-8"	x 2'-2"	10 cyl.	7'-6"	x 3'-0"
8 cyl.	8'-4"	x 2'-2"	12 cyl.	6'-8"	x 3'-0"
10 cyl.	10'-0"	x 2'-2"	14 cyl.	9'-2"	x 3'-0"
12 cyl.	11'-8"	x 2'-2"	16 cyl.	8'-4"	x 3'-0"
14 cyl.	13'-4"	x 2'-2"	20 cyl.	10'-0"	x 3'-0"
20 cyl.	18'-4"	x 2'-2"	40 cyl.	18'-4"	x 3'-0"

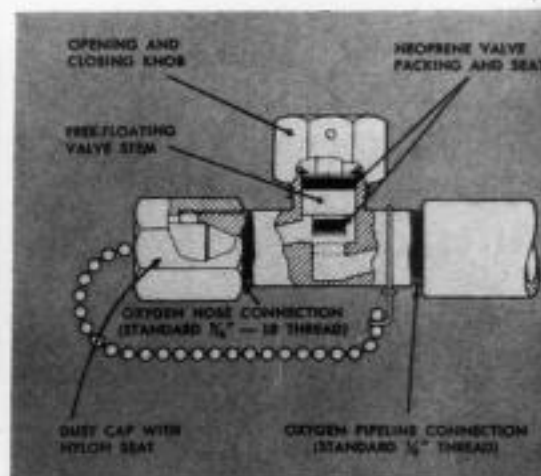
When ordering, specify the total number of cylinders, single row or double row, and whether it is to be supplied with stands or wall brackets. If the shape of the storage room is



Ohio Central Oxygen outlet for exposed piping.



Ohio flush mounted wall plate for concealed Central Oxygen piping.



Sketch of Central Oxygen supply wall valve, showing oxygen hose connection, Neoprene valve packing and seats, and easily operated opening and closing knob.

CENTRAL OXYGEN SUPPLY OHIO PLANNED AND ENGINEERED

such that the manifold must extend around a corner, send a plan of the room showing all dimensions to Technical Sales Department, Ohio Chemical, Madison. We will arrange a suitable manifold for you.

In choosing the size of manifold for a hospital the objective is to provide a total supply sufficient to carry over a long week-end with consideration given to hitting a peak load during that period. It should also be large enough to eliminate changing cylinders more than once in two or three days if this advantage of a central supply system is to be enjoyed. The consumption of oxygen cannot be estimated by the number of outlets alone since the use to which an outlet is put depends upon its location. An outlet in a premature nursery could very easily be in use 24 hours a day while an outlet in a bed-room may be used only once a year. Recovery rooms and surgeries are also locations where oxygen is used quite regularly. If the consumption can be estimated, the size of the manifold can be chosen on the following basis:

Under 5,000 cubic feet per month.....4-cylinder manifold
5,000 to 10,000 cubic feet per month 6-cylinder manifold
10,000 to 20,000 cubic feet per month...10-cylinder manifold
20,000 to 30,000 cubic feet per month ...20-cylinder manifold
30,000 to 50,000 cubic feet per month...40-cylinder manifold
Over 50,000 cubic feet per month...use a bulk delivery system.

(Manifolds of "in-between" capacities such as 8-cylinders, 12-cylinders or 16-cylinders are used where the space available does not permit the use of the above "standard" manifolds.)

The piping generally used is type "K" copper tubing for inside piping and type "B" for outside or underground mains. Cast bronze fittings are used with silver-brazing to make strong, leak-proof joints. An OHIO-planned system will be "sectionalized" by the use of strategically located valves making it possible to extend or repair any part of the system without shutting off the supply of oxygen to the entire hospital.

The outlets may be exposed or concealed in flush-mounted wall cabinets. In children's wards, or in rooms for the mentally disturbed, these cabinets may be provided with locks. In operating rooms, recovery rooms and nurseries where oxygen is in almost constant use, the Schrader quick-connect type of outlet can be installed.

The Schrader "Safety-keyed" couplers (Figure 1) are so designed that each service — oxygen, nitrous oxide, vacuum, compressed air — has its own "safety key" which absolutely prevents connecting unrelated services. A ball check valve is now built into the connecting stud which permits the check unit to be disassembled to replace the seat without needing a shut-off valve to close off the supply of gas in the line.

Its advantage is most noticeable in operating rooms where it can be attached to a short length of hose connected to a



ceiling outlet just above that end of the operating table which is the normal position of the anesthetist. Substituting a yoke-block for the small cylinder on the gas machine and a short length of rubber hose to connect to the overhead outlet, the anesthetist can plug quickly and safely into the piping system without the hazard of tripping over hose line laying on the floor of the operating room.

The wall shut-off valve

Typical Overhead Installation for Operating-Anesthesia Rooms. The overhead installation of Schrader "Safety-Keyed" Medical Gas Couplers permits the instantaneous flow of oxygen and nitrous oxide from a central source of supply to the anesthesia machine. The anesthetist simply plugs into the lines when preparing to administer anesthesia to a patient. The keying system of Schrader Adapters and Check Units makes it impossible to plug into the wrong line. Color and symbol markings on mating units make visual recognition easy for the operator.



Fig. 1 — Model number 4951 Schrader Oxygen Coupler Check Unit will accommodate only Schrader "Safety-Keyed" oxygen adapters — no danger of plugging into the wrong line. A slight twist of the sleeve on the coupler unit frees the adapter and automatically seals the outlet pressure-tight. (Part number 207-7951V)

shown on page 25 was designed by OHIO engineers especially for use with oxygen pipeline systems. The modern neoprene "O" ring seat and seal can be locked in a closed position by tightening the hex-shaped valve handle with a small wrench without scoring or damaging the seat.

Ohio also provides the finest control equipment for use with oxygen pipeline systems. The Model 16 Humidifier (Figure 2) with its jet atomization principle provides the highest percentage of humidification presently obtainable. The specially designed displacement chamber prevents over-filling; the humidified oxygen passes through a baffle system in the chamber, preventing any water droplets from reaching the supply tube, and these same safety features permit the humidifier to operate much longer without refilling — up to 48 hours at 4 liters per minute flow.

Needle valve-flowmeters can be supplied in both the kinetic (Figure 3) and Bourdon (Figure 4) tube types. The accurate control at low rates of flow of the kinetic type of flowmeter makes it especially desirable for use in nurseries, and Ohio's stem-type float provides easy reading at a distance.



Fig. 2 — Model 16 Ohio Oxygen Humidifier. (Part number 304-0364)



Fig. 3 — Ohio Kinetic flowmeter and needle valve. (Part number 207-8405A)



Fig. 4 — Ohio Bourdon tube type flowmeter and needle valve. (Part number 304-5181A)

The Bourdon tube type of flowmeter is available in two units. The standard unit is provided with various adapters so either mask tubing or union nuts can be attached. This valve is well adapted for metering oxygen to such equipment as B-L-B masks, small oxygen tents not requiring flush flows, and many others where accurately metered oxygen flows are not required.

A special Bourdon tube type needle valve-flowmeter for use with oxygen tents allows both metered and flush flows to be adjusted by one control knob. The initial rotation provides meter flows from 0 to 13 LPM. Continued rotation causes flush flows of from 100 to 150 LPM to enter the tent hood and assures rapid and complete flushing of the hood.

All Ohio outlet attachments can be adapted for use with Schrader quick connect check units.

For more detailed information on OHIO planned Central Oxygen Supply, write for catalog 2055.

STILLE INSTRUMENTS



Bone Curette, Oval
6 5/16"



Volkman's Retractor-4 Sharp Prong



Mayo Needle Holder-6"



Mayo Rochester Pean Forceps-6 1/4"



Mayo Noble Scissors, Curved



D. A. Ronguer (Duck-Bill)



Sponge Forceps



Plaster Shears-15"



Backhaus Towel Clamp

Ohio Chemical & Surgical Equipment Co. is the exclusive importer of world-famous Stille surgical instruments manufactured by A. B. Stille Werner, Stockholm, Sweden.

The Stille trademark stamped on each genuine Stille instrument is a pledge of finest workmanship and materials in a century-old tradition. Genuine Stille instruments bear the two word trademark "Stille Sweden", together with two stars—the third star on the trademark indicates the instrument is made of stainless steel.

Only a few of the hundreds of fine Stille instruments can be illustrated here. Detailed information will be supplied upon request. Ask for Catalog 2077.

Included in the splendid assortment of Stille Instruments available from Ohio Chemical, are the following.



Allis Tissue Forceps



Stille Gigli Saw-20" long

GENERAL SURGERY

Scissors
Haemostats
Forceps
Towel Clamps
Retractors
Scalpels

DISSECTING

Knife and Raspatory
Fasciatome

ABDOMINAL SURGERY

Scissors
Forceps
Retractors
Raspatories

BONE SURGERY

Cutting Forceps and Rongeurs
Holding Forceps

Curettes
Drills
Osteotomes, Chisels, Gouges
Elevators and Raspatories

EYE, EAR & NOSE SURGERY

Saws and Knives
Scissors, Cutting Forceps and Rongeurs
Forceps
Retractor and Specula
Chisels, Gouges, Raspatories and Elevators
Curettes

THROAT SURGERY

Tonsil Scissors and Haemostat
Retractors
Raspatories

NEURO SURGERY

Scissors
Haemostats and Forceps
Spatulas
Olivecrona Elevators, Raspatories, Dissectors
Knives and Saws

GYNECOLOGICAL & OBSTETRICAL SURGERY

Sim's Uterine Scissors
Forceps
Doyen Vaginal Retractors
Recamier Uterine Curettes

BANDAGE, SUTURE & STERILIZING INSTRUMENTS

Fascia Needle
Bandage Scissors and Plaster Cutters
Needle Holders and Forceps



Kilian's Septum Speculum-6 5/8"



Thumb Dressing Forceps-Flat Points



Tissue Forceps-6"



Osteotome



Operating and Dressing Scissors



Lister's Bandage Scissors 5 1/2", 6 1/4"



Scalpels

MANUFACTURERS OF: OHIO MEDICAL GASES, HEIDBRINK ANESTHETIC, THERAPEUTIC, AND RESUSCITATIVE APPARATUS, OXYGEN PIPELINE EQUIPMENT, SCANLAN-MORRIS STERILIZERS, OPERATING TABLES, LIGHTS, SUTURES, STERILBRITE FURNITURE. U.S.A. DISTRIBUTORS OF STILLE INSTRUMENTS.





SCANLAN MORRIS

BEDPAN STERILIZER, STEAMER and RACKS

Bedpan Steamer has Monel metal body and cover, is available in steam-heated model only, in size 24" x 16" x 16". Perforated copper tube forces jets of live steam over entire area of 5 bedpans at one time.

Steamer lid raises and lowers by foot pedal action, locks in open position.

Five-pan rack is removable for convenient cleaning and servicing.

Bedpan Sterilizers, Boiling Type, have Monel metal body and cover, and are available in size 24" x 16" x 16", in steam-, gas-, or electrically-operated models, equipped with removable five-pan rack.

Steam-Heated Sterilizers are equipped with steam valves, traps, strainers, heating coil and necessary fittings and pipings.

Gas-Heated Sterilizers are equipped with a tubular gas burner, combination shut-off and air-mixing valve, and all necessary fittings and piping.

Electrically-Heated Sterilizers are equipped with a heavy-duty immersion type heating unit and all necessary fittings and piping.

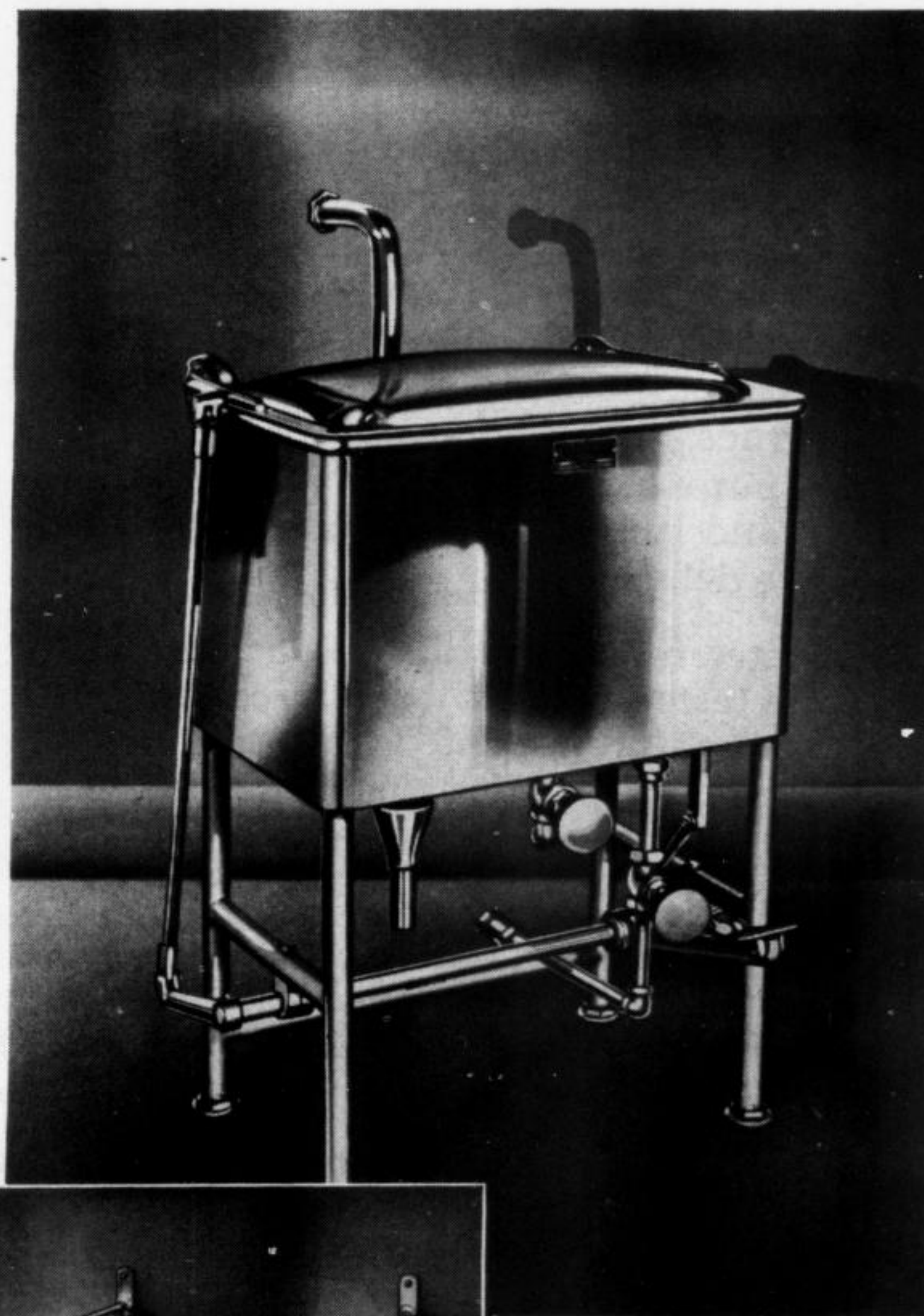
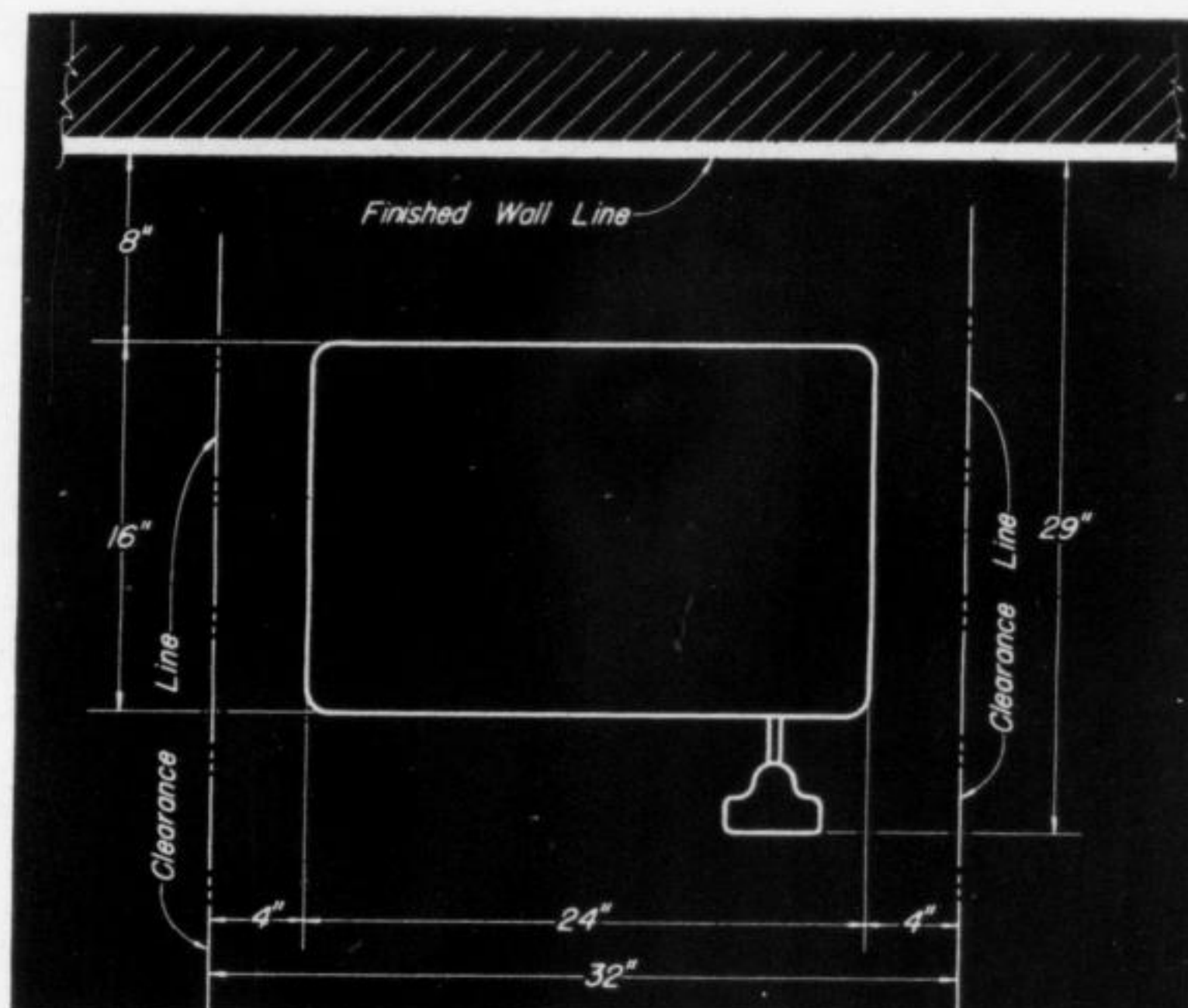
Sterilizer Service Requirements: $\frac{3}{8}$ " steam supply; $\frac{3}{8}$ " steam return; $1\frac{1}{2}$ " waste; $\frac{3}{8}$ " hot water (supply) and $1\frac{1}{2}$ " steam vent.

Vent-O-Stat (available at extra cost) regulates heat within sterilizer to maintain sterilizing temperature without violent boiling of water, thereby prevents excessive steam and eliminates need for vent to outside.

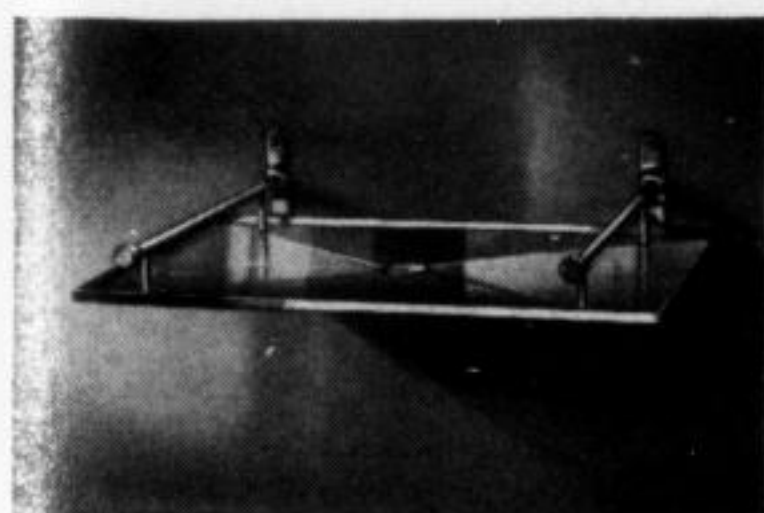
Bedpan Racks: Will hold five standard type bedpans, vertically, in individual compartments for maximum exposure to heat and steam. Racks are of welded Monel metal and equipped with handles for convenient loading or removing. Overall rack size is 14" x 23". Complete rack included with each steamer or sterilizer; additional racks available at extra cost.

Wall brackets available for bedpan rack storage;

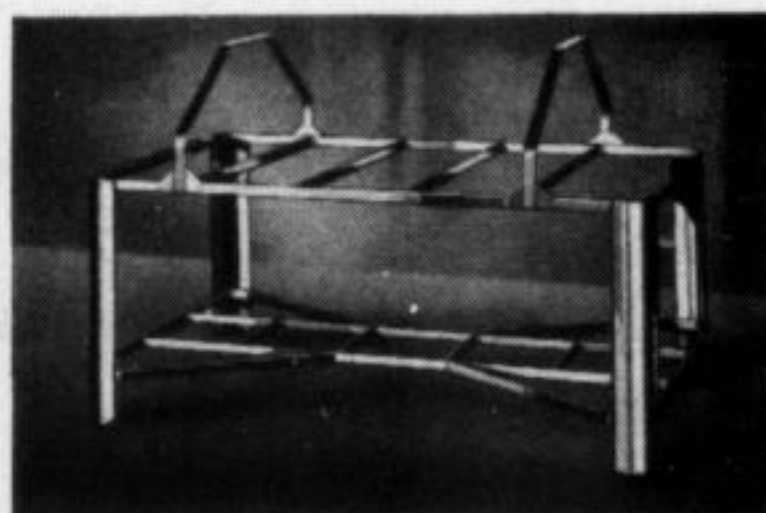
Heavy cast brass brackets, completely nickel plated. Supporting arm extends 15" from wall plate. When bracket sets are to be mounted in vertical order, Monel drain pan can be supplied for lower set.



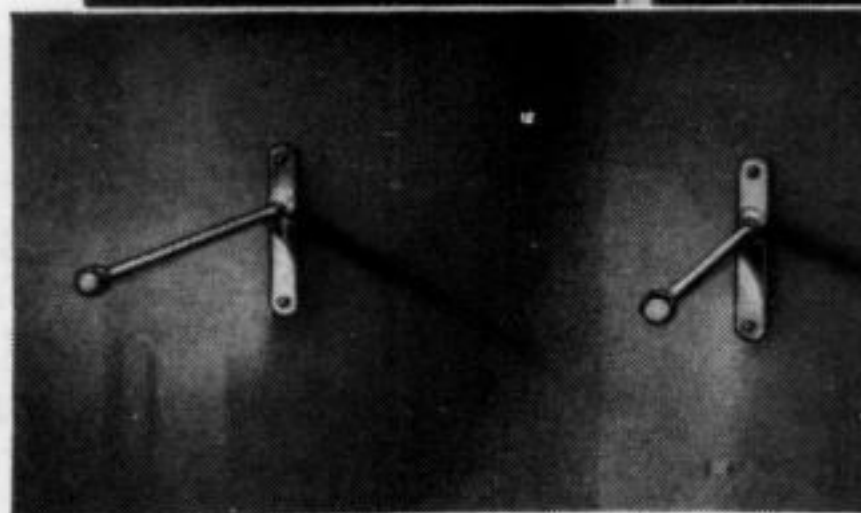
A-464 Bedpan Steamer.



A-3820 Set of Wall Brackets for Bedpan Rack, Equipped with Monel Metal Drip Pan.



A-3800 5-Pan Rack for Bedpan Steamer or Sterilizer.



A-3810 Set of Wall Brackets for Bedpan Rack, Without Drip Pan.

